



EasyTrim®
Elegance

SUBMITTAL PACKAGE

ADVANCED ARCHITECTURAL ALUMINUM TRIM SYSTEM

2026

ENGAGE
BUILDING PRODUCTS®

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3. SYSTEM OVERVIEW & PRODUCT IDENTIFICATION



EasyTrim Elegance® – Advanced Architectural Aluminum Trim System

SYSTEM OVERVIEW

Manufacturer:	System Name:	Product Line:	Product Type:
Engage Building Products	EasyTrim Elegance®	Advanced Aluminum Trim System	Exterior Aluminum Trim for Panel and Lap Siding Cladding Assemblies

System Scope:

The EasyTrim Elegance® Advanced Aluminum Trim System includes extruded aluminum trim profiles designed for use with exterior panel and lap siding cladding assemblies to form corners, joints, terminations, transitions, and openings. The system provides edge protection, dimensional control, and consistent alignment while supporting drainage and movement within the wall assembly. EasyTrim Elegance® trims are non-structural components and must be installed in accordance with manufacturer instructions and applicable building codes.

Exclusions:

EasyTrim Elegance® trims are non-structural and do not replace primary flashings, weather-resistive barriers, or other building envelope components required by code or project specifications.

PRODUCT IDENTIFICATION

The EasyTrim Elegance® is manufactured by Engage Building Products and consists of extruded aluminum trim profiles designed for use with exterior panel and lap siding cladding assemblies. The system is produced from ASTM B221, 6063-T6 aluminum alloy and is supplied in standard 10 ft [3048 mm] lengths. Individual trim profiles are identified by EZ-series designations corresponding to specific applications and compatible panel thicknesses.

System Intent

The EasyTrim Elegance® system is intended to provide consistent edge protection, joint definition, and clean architectural terminations within exterior panelized wall assemblies. The system supports precise panel alignment, accommodates construction tolerances, and integrates with drained wall assemblies while maintaining a refined and minimal trim appearance.

Compatible Applications

The EasyTrim Elegance® system is compatible with exterior panel cladding installed in vertical or horizontal orientations and with horizontal lap siding. The system may be used in drained and rainscreen wall assemblies for residential, commercial, and institutional construction where non-structural aluminum trim is required.

System Limitations

The EasyTrim Elegance® system is offered in 5/16" panel, 5/16" to 3/4" transition, and 3/4" lap trim configurations, and is not interchangeable with other EasyTrim trim systems unless approved in writing by the manufacturer. The system is non-structural and is not designed to function as a primary water-resistive barrier, through-wall flashing, or penetration flashing, and does not replace building envelope components required by applicable building codes or project specifications.

System Configuration

The EasyTrim Elegance® system includes both one-piece and two-piece extruded aluminum trim profiles. Two-piece profiles consist of a mechanically fastened backplate and a snap-fit top cap that conceals fasteners and supports dimensional control. Trim profiles are thickness-specific and shall be selected to match the panel depth and joint condition indicated in the construction documents. All trim components are non-structural accessories and must be installed in accordance with the manufacturer's written instructions.

4. CHANGE ORDER SUBMITTAL FORM



EasyTrim Elegance® – Advanced Architectural Aluminum Trim System

Date

Date Due

Project Name

To

From

Subcontractor

Key #	Description:

Notes:

Submitted by

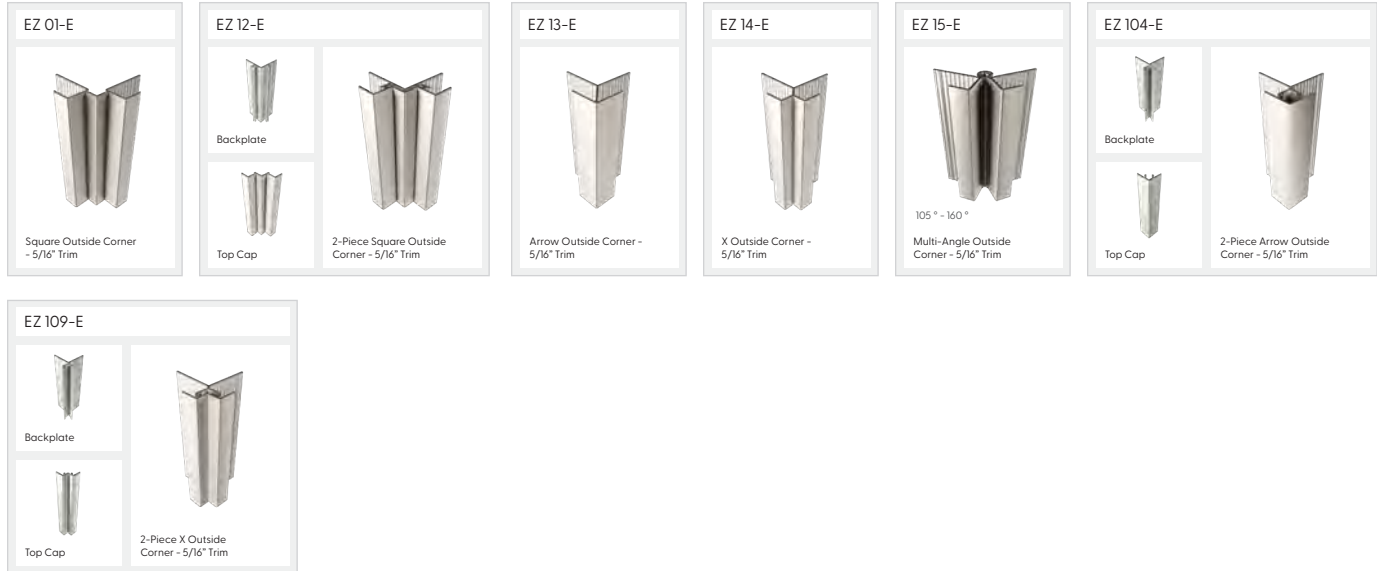
Signature

5. PROFILE LEGEND

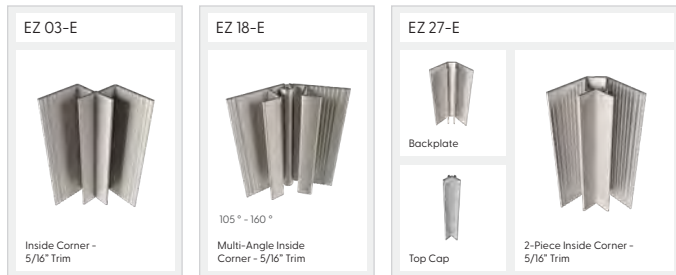
EasyTrim Elegance® – Advanced Architectural Aluminum Trim System

5/16" Panel Trim System Length: 10'

Outside Corners



Inside Corners



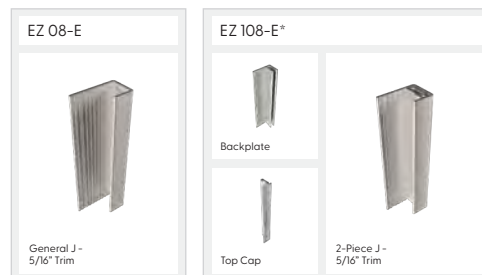
Horizontal Trims



Vertical Trims



J Trims



*Special order, lead times may vary.

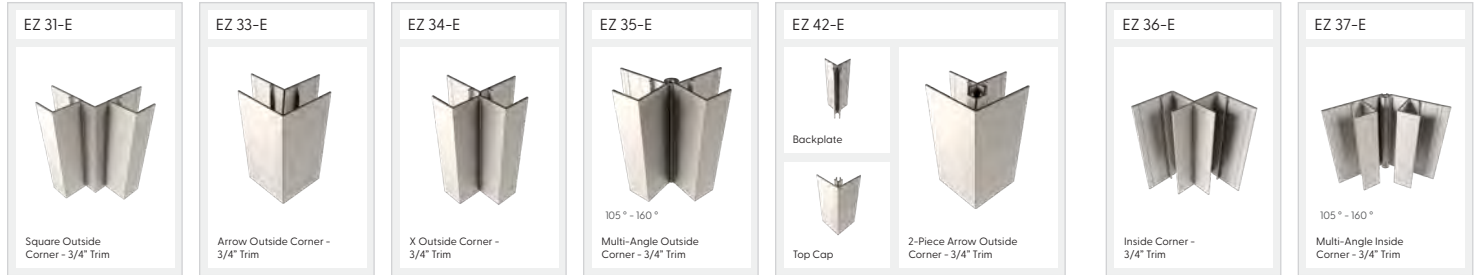
Profile selection varies by Panel thickness and corner condition. Refer to cut sheets and typical details.
*Special order, lead times may vary.

5. PROFILE LEGEND

EasyTrim Elegance® – Advanced Architectural Aluminum Trim System

3/4" Lap Trim System Length: 10'

Outside Corners

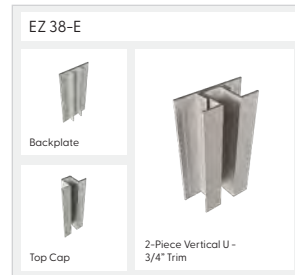


Inside Corners

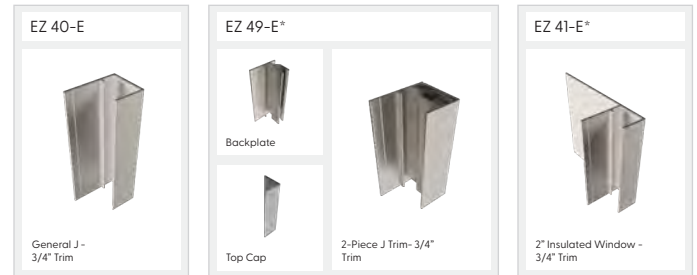
Horizontal Trims



Vertical Trims



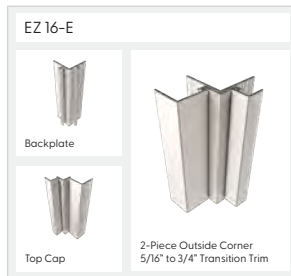
J Trims



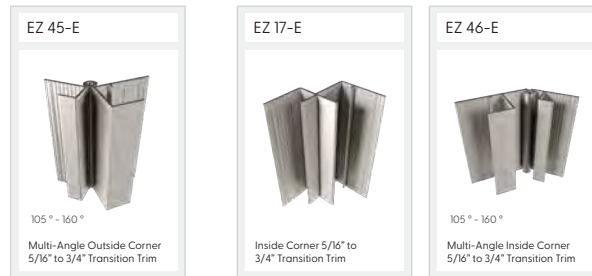
*Special order, lead times may vary.

5/16" Panel to 3/4" Lap Transition Trims Length: 10'

Outside Corners



Inside Corners



Vertical Trim



Universal Trims Length: 10'

Starter Strip



Profile selection varies by Panel thickness and corner condition. Refer to cut sheets and typical details.

*Special order, lead times may vary.

6. CUT SHEET

EasyTrim Elegance® – Advanced Architectural Aluminum Trim System

PRODUCT OVERVIEW

Cut sheets provide profile-specific dimensions, material thickness, finish options, and standard lengths for the EasyTrim Elegance® Advanced Architectural Aluminum Trim System to support coordination with exterior cladding assemblies.

KEY BENEFITS

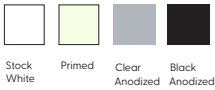
- ✓ Clean, refined appearance
- ✓ Multi-Angle flexibility
- ✓ Corrosion resistant
- ✓ Easy to install
- ✓ Non-combustible
- ✓ Recyclable aluminum

SYSTEM COMPATIBILITY

- ✓ ACM Panels
- ✓ Fiber Cement Panels
- ✓ HPL Panels
- ✓ Metal Composite Systems
- ✓ Lap Siding
- ✓ Drained & Ventilated Rainscreens

FINISH OPTIONS

STANDARD FINISHES



CUSTOM COLOR WITH COLORMATCH®



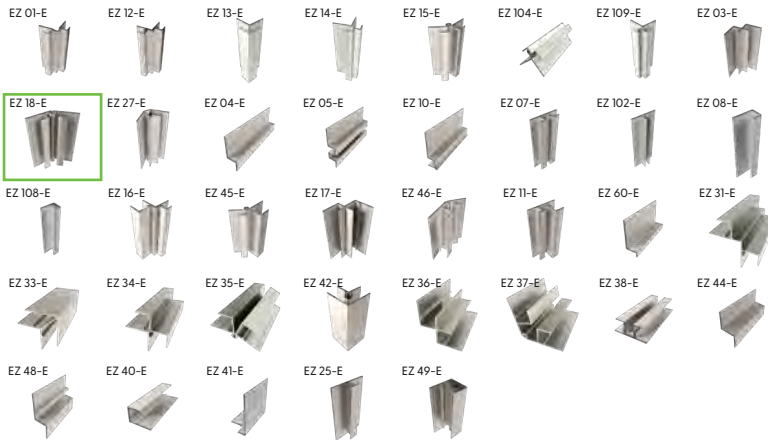
Special Order and Custom Colors; lead time varies depending on project specifics and needs.

POWDER PERFECT SERIES



Performance characteristics are assembly-dependent and apply to the complete wall system; trim components are non-structural accessories.

ALUMINUM TRIM SYSTEM PROFILES



ATTACHMENT

Fasteners

Nails: 1 1/4" or greater (based on job requirements), hot-dipped galvanized ring-shank.

Screws: 3/4" or greater (based on job requirements), self-drilling galvanized/stainless steel wafer head screw.

⚠ Refer to individual profile cut sheets for detailed dimensions and tolerances.

DESIGN RESOURCES



CAD DETAILS



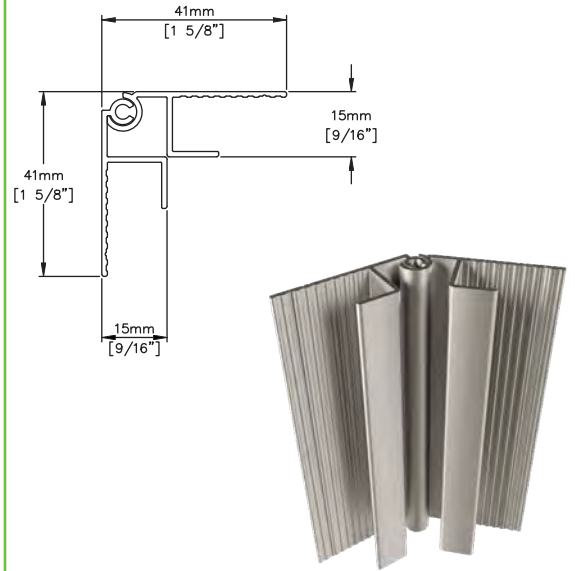
SPEC CLAUSES



INSTALLATION
GUIDE



SCAN TO ACCESS
DRAWINGS, DETAILS
& MORE.



EZ 18-E MULTI-ANGLE INSIDE CORNER 5/16" TRIM

TECHNICAL SPECIFICATIONS

PHYSICAL DATA

Material	6063-T6 Extruded Aluminum
Thickness	0.050 in (1.27 mm) ± tolerance
Finish	Clear Anodized, Black Anodized, Primed, PowderPerfect™ Powder Coat, Factory ColorMatch®
Warranty	15-Year Limited Warranty
Length	10'-0" (3048 mm)
Weight (lb/ft)	~0.50
Quantity	Supplied in standard lengths; quantity as required

TESTING

Fire Rating	Non-combustible per ASTM E136 / CAN/ULC-S114
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STANDARDS & ENVIRONMENTAL

Aluminum	ASTM B221
Anodizing	AAMA 611
Powder Coat	AAMA 2604
Environmental	Aluminum recyclable; EPD & HPD available

PERFORMANCE

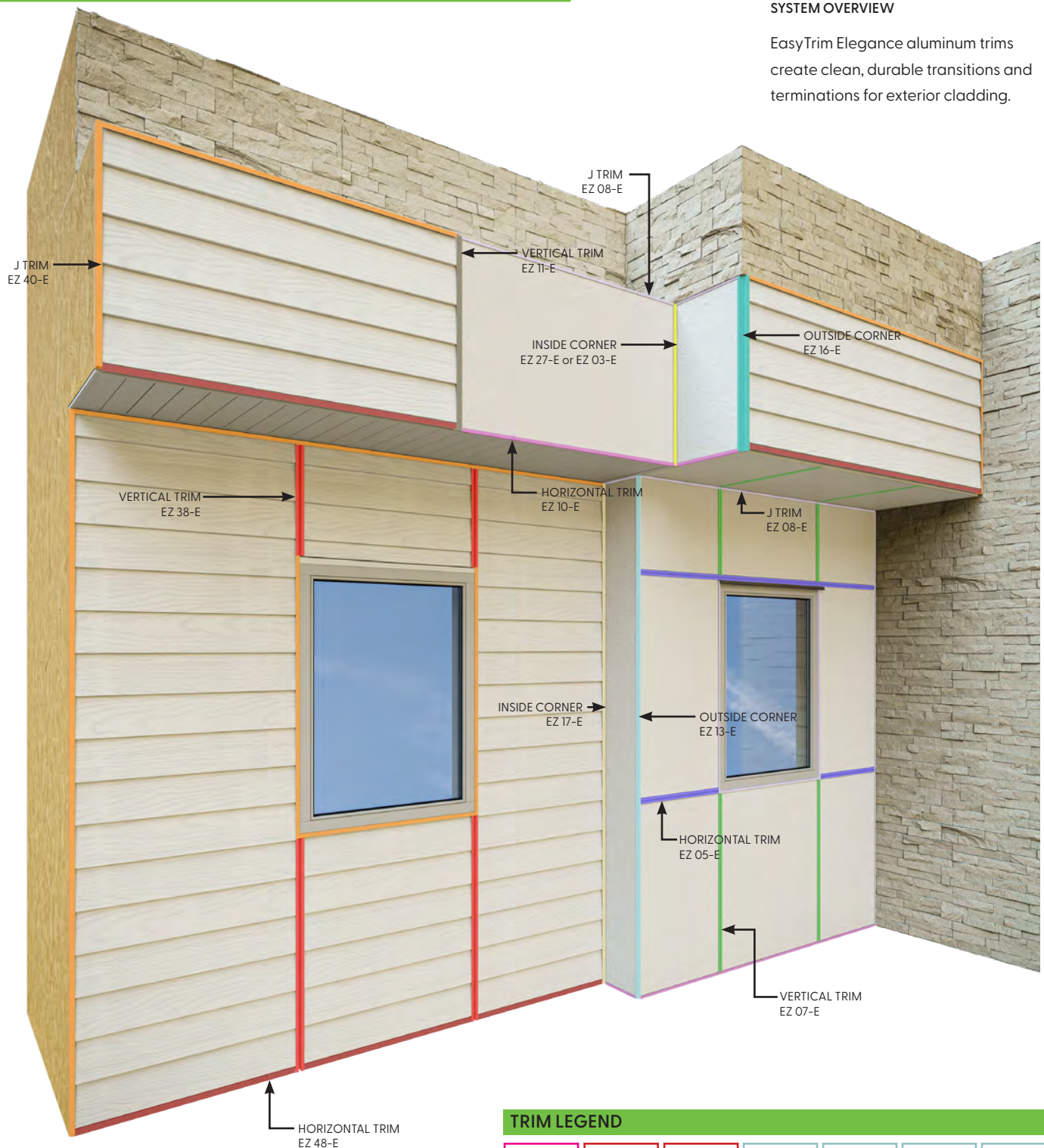
Rainscreen	Compatible with drained & ventilated assemblies
Pressure Equalized / AAMA 508	Assembly-level only; not applicable to trim alone
Wind Resistance	Assembly-dependent
Water Resistance	Assists with water management; not waterproof
Impact Resistance	Provides panel edge protection

7. TRIM SYSTEM APPLICATION DIAGRAM

EasyTrim Elegance® – Advanced Architectural Aluminum Trim System

SYSTEM OVERVIEW

EasyTrim Elegance aluminum trims create clean, durable transitions and terminations for exterior cladding.



NOTES

Refer to product catalog for full dimension and material specifications.
All trims are available in standard finishes to match project requirements.
Install in accordance with the EasyTrim Elegance® installation guide.

TRIM LEGEND



8. TYPICAL DETAILS

EasyTrim Elegance® – Advanced Architectural Aluminum Trim System

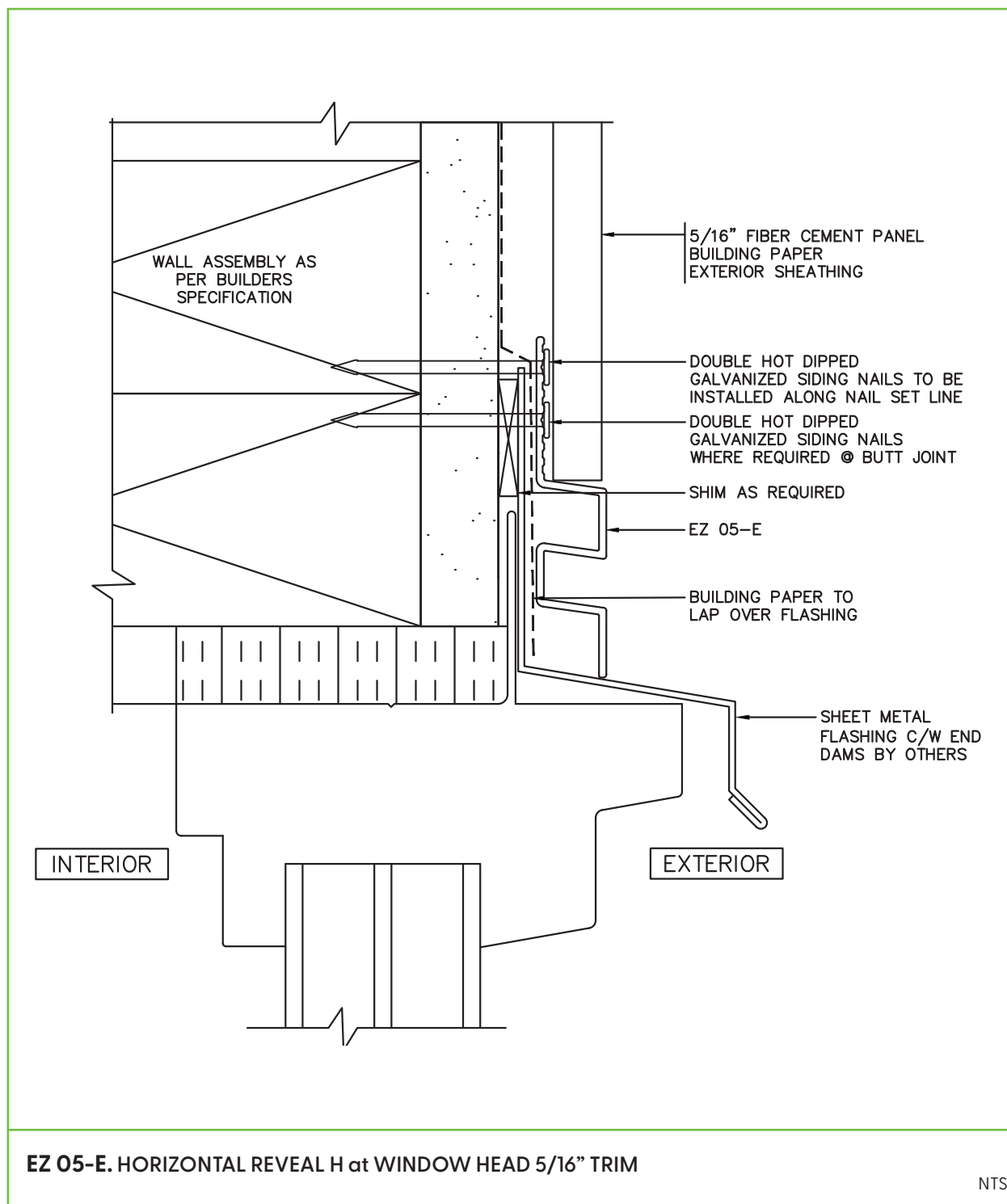
The following typical details illustrate standard applications of the EasyTrim Elegance® Advanced Architectural Aluminum Trim System.

Details are provided for reference only and must be reviewed and coordinated by the Design Professional to suit project-specific conditions, substrates, and cladding systems.



Scan the QR code to access additional typical details, supplementary drawings, and system-specific references.

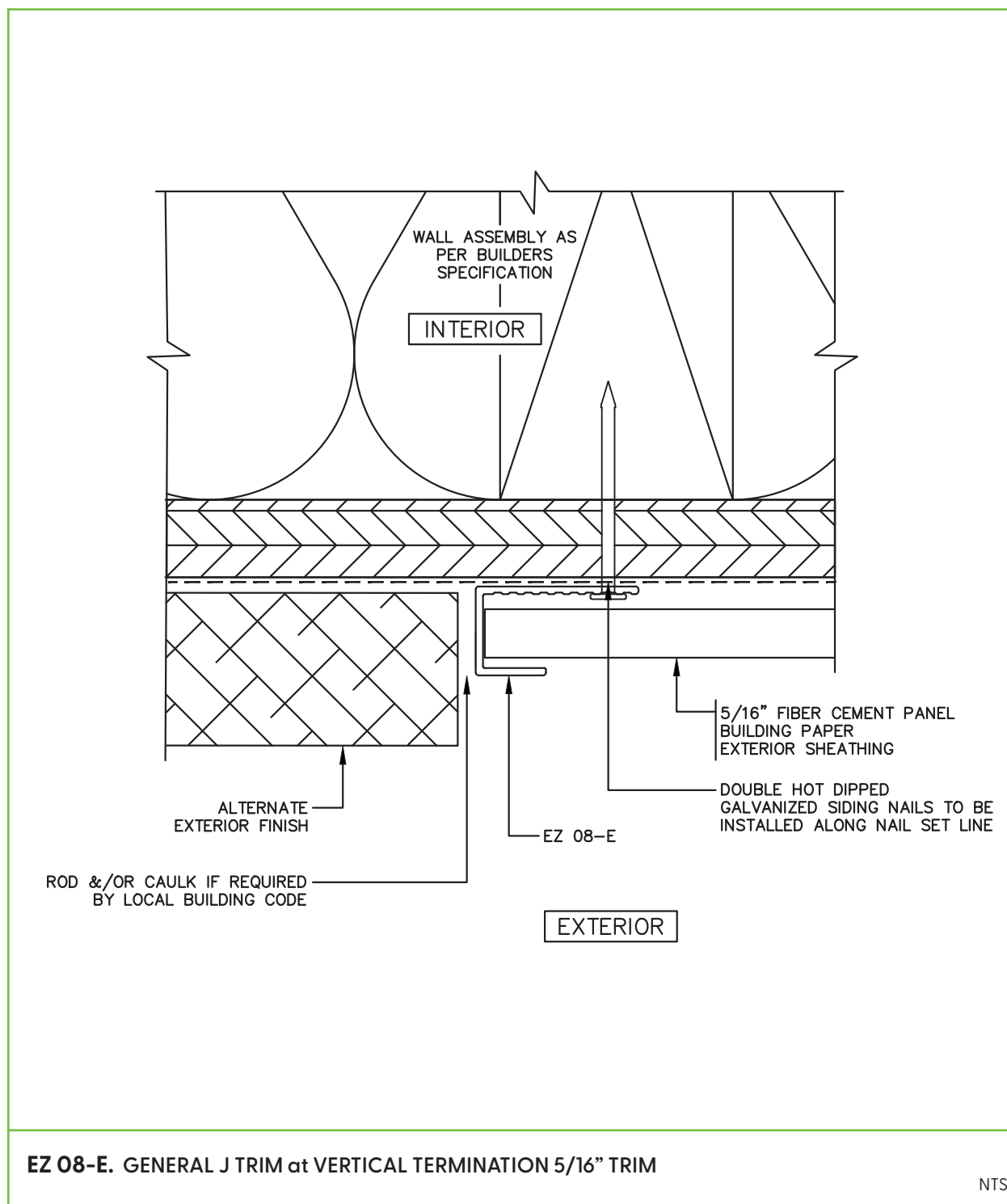
8.1 TYPICAL DETAILS



Details illustrate typical trim profiles and interface conditions. Verify project-specific requirements.

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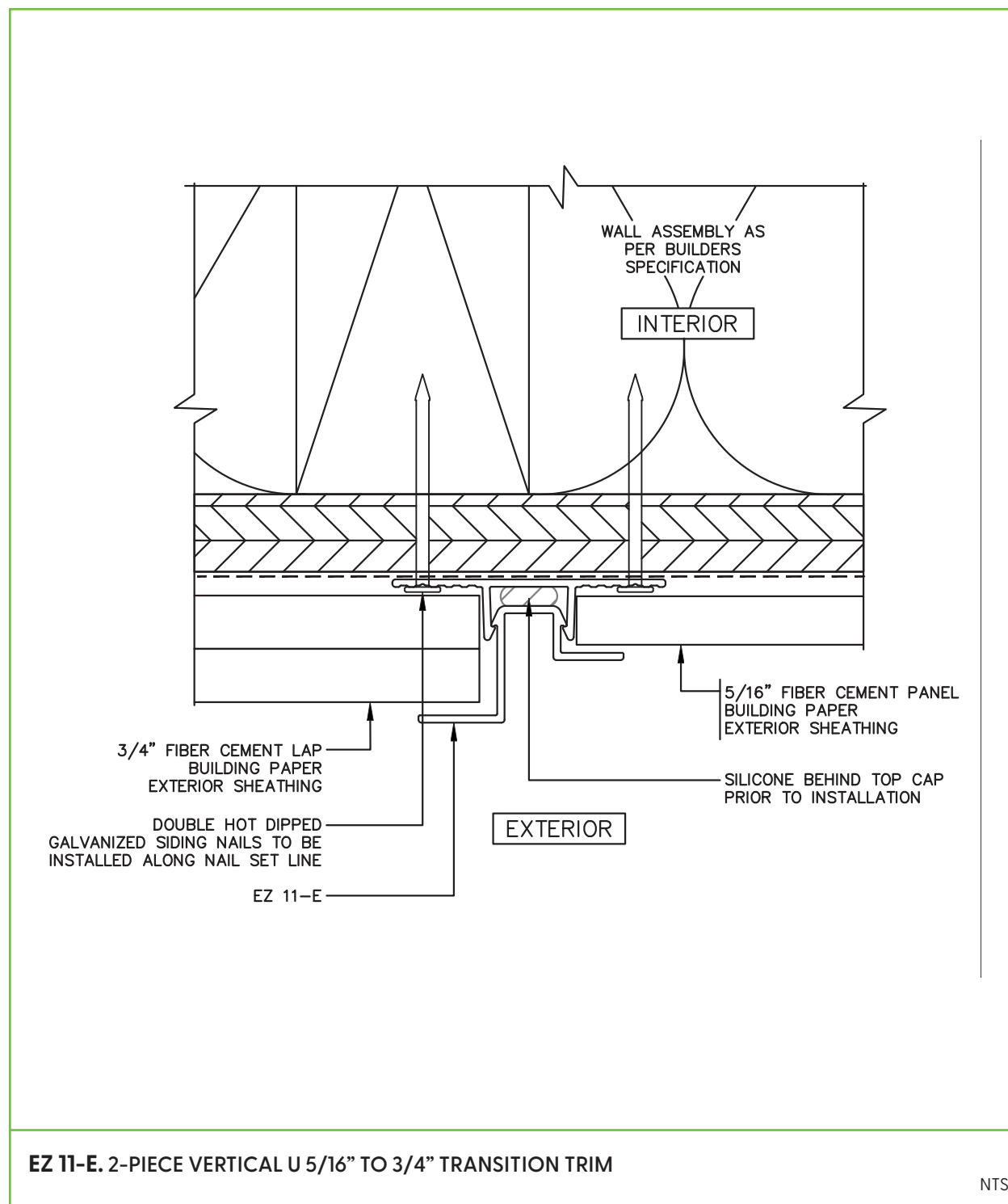
8.2 TYPICAL DETAILS



Details illustrate typical trim profiles and interface conditions. Verify project-specific requirements.

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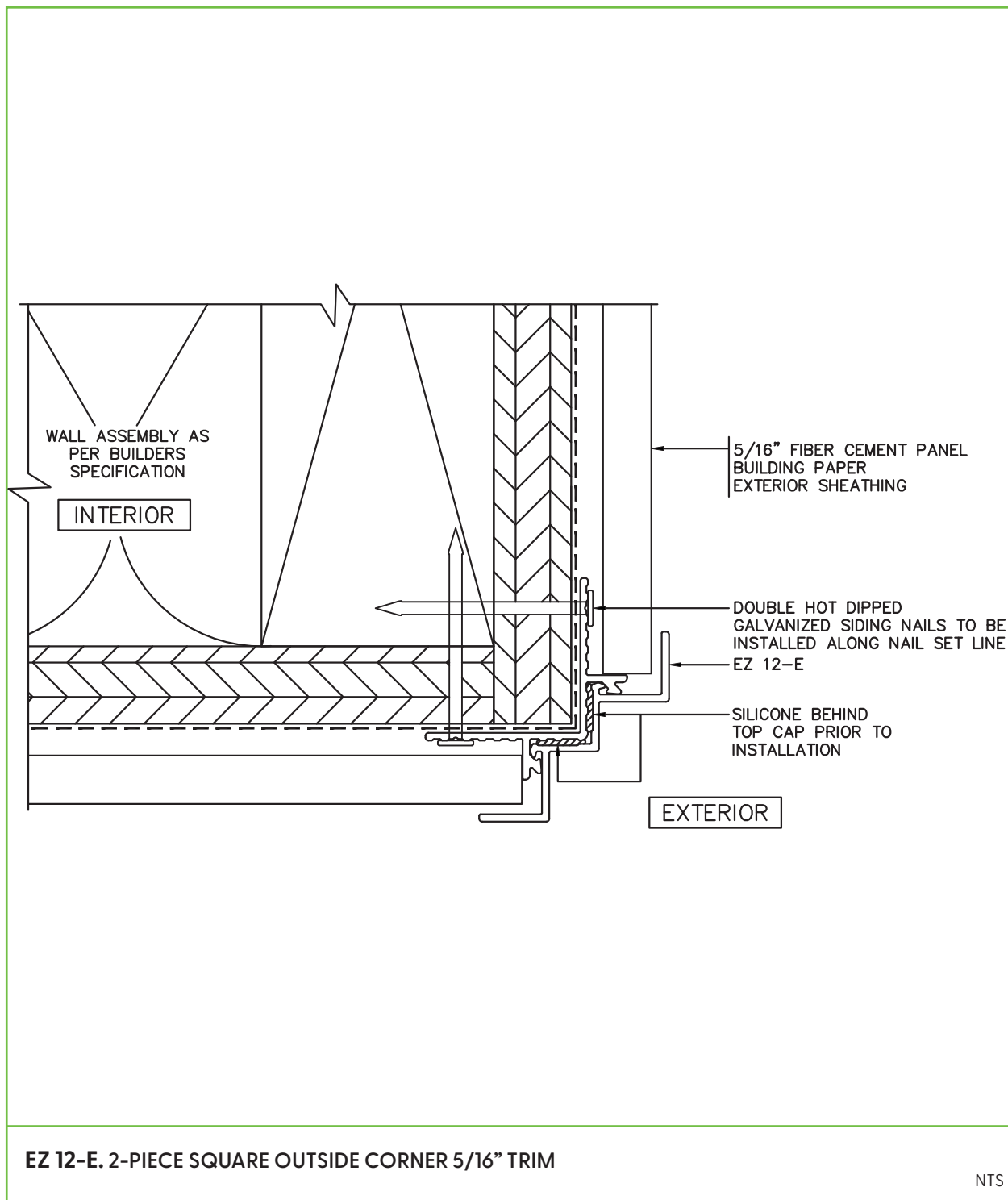
8.3 TYPICAL DETAILS



Details illustrate typical trim profiles and interface conditions. Verify project-specific requirements.

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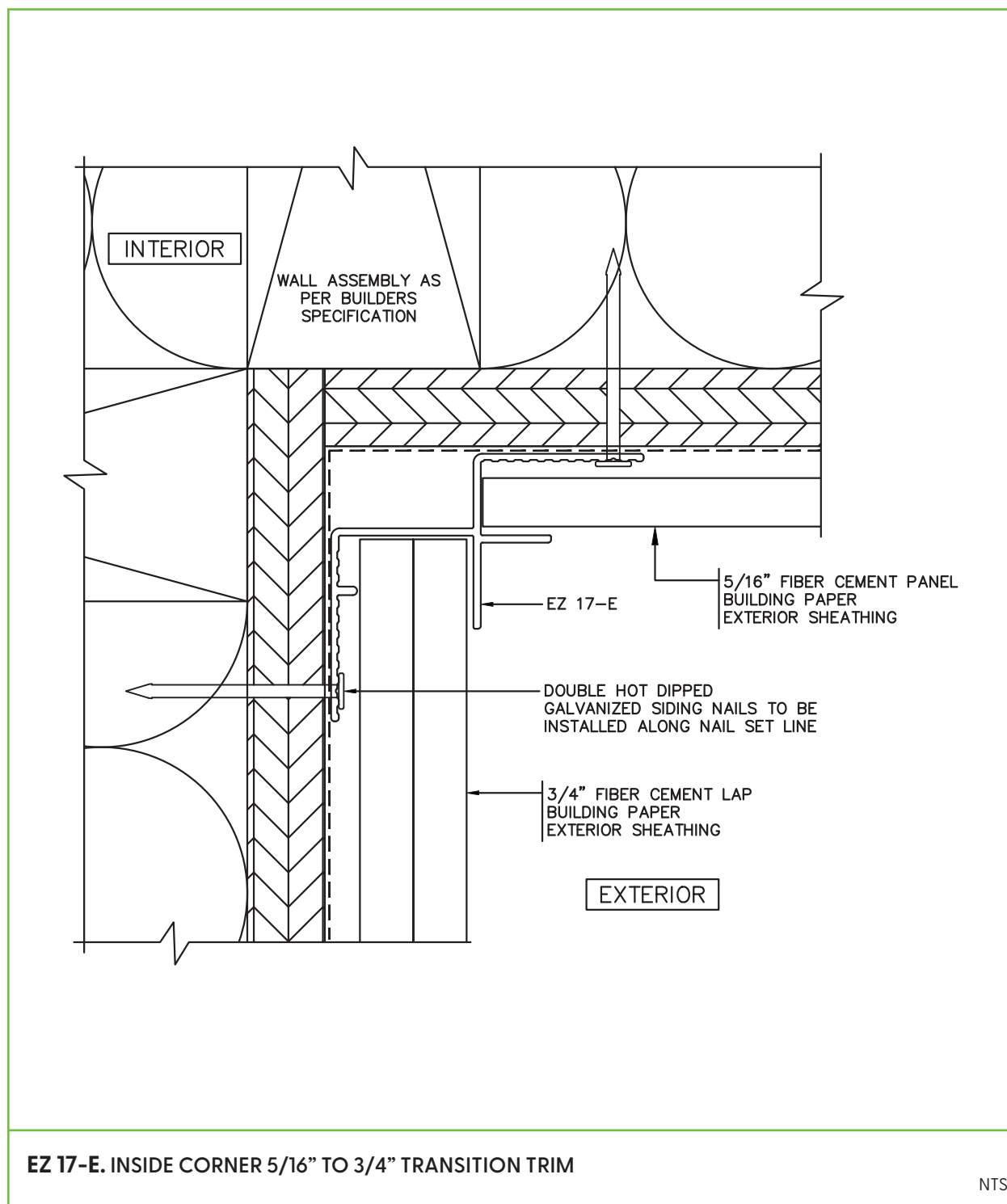
8.4 TYPICAL DETAILS



Details illustrate typical trim profiles and interface conditions. Verify project-specific requirements.

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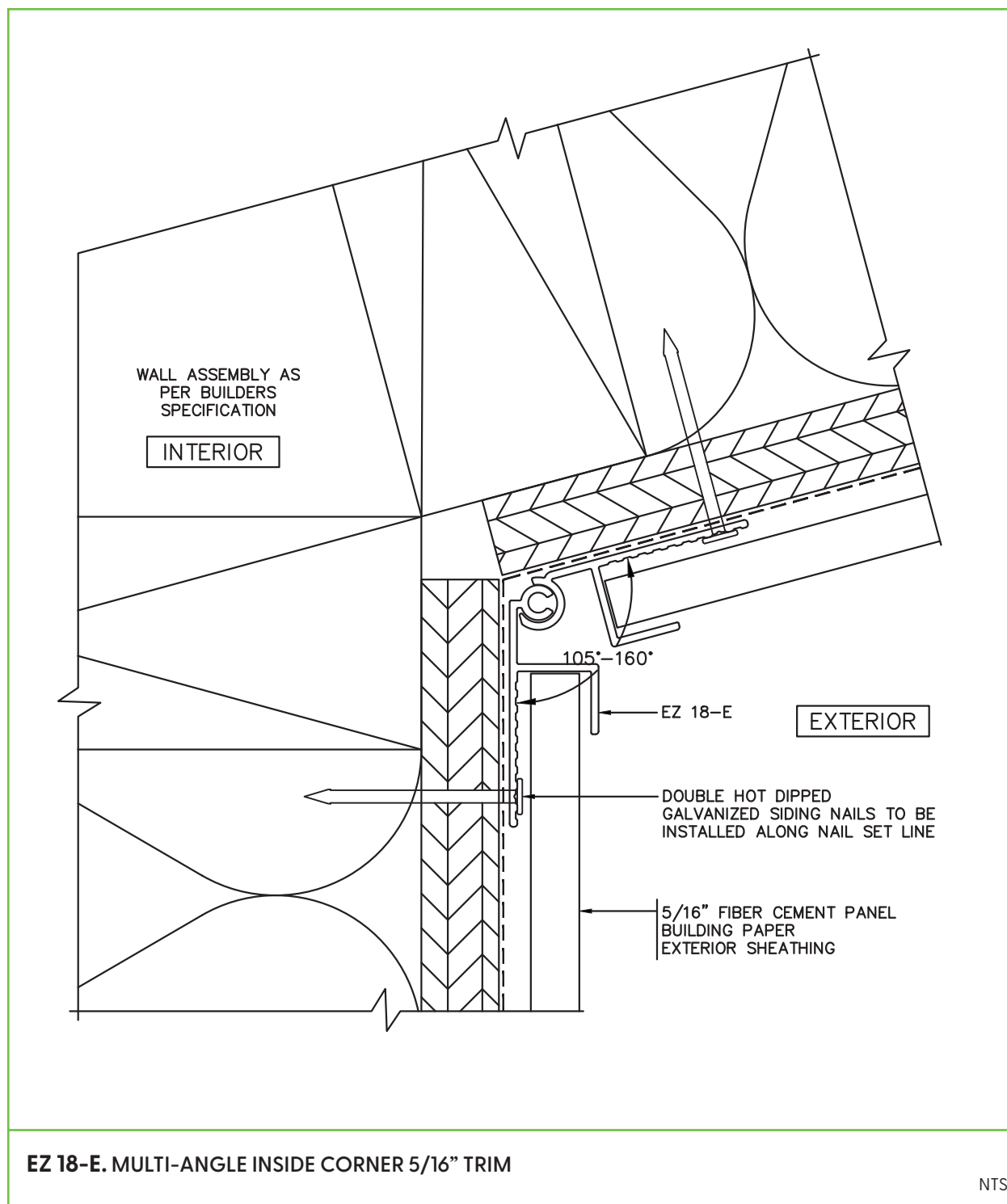
8.5 TYPICAL DETAILS



Details illustrate typical trim profiles and interface conditions. Verify project-specific requirements.

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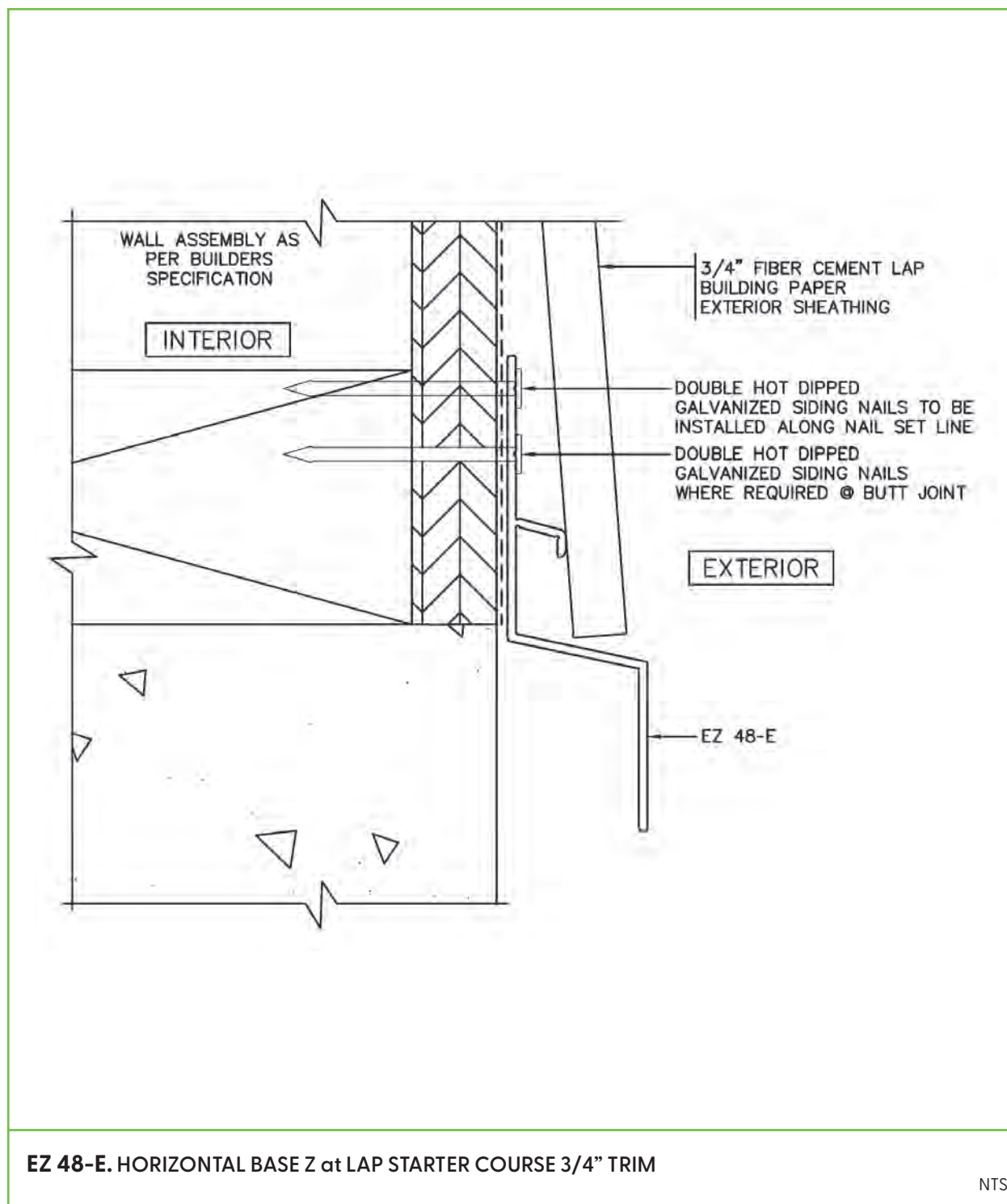
8.6 TYPICAL DETAILS



Details illustrate typical trim profiles and interface conditions. Verify project-specific requirements.

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8.7 TYPICAL DETAILS



Details illustrate typical trim profiles and interface conditions. Verify project-specific requirements.

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PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

1.2 DESCRIPTION OF WORK

- A. Provide labor, materials, equipment, and services required to furnish and install the EasyTrim Elegance® Advanced Architectural Aluminum Trim System for exterior panel and lap siding cladding assemblies, including, but not limited to, the following:
1. Aluminum trim profiles for nominal 5/16 inch [8 mm] exterior panel thicknesses and nominal 3/4 inch [19 mm] lap siding.
 2. Vertical and horizontal trims, including corner trims, termination trims, and trims at window and door openings.
 3. Transition trim profiles for panel thickness transitions from 5/16 inch [8 mm] to 3/4 inch [19 mm], where indicated.
 4. Accessories and universal trims specified for use with the EasyTrim Elegance® Trim System.
 5. This Section applies exclusively to the EasyTrim Elegance® Trim System, including its 5/16 inch, 5/16 inch to 3/4 inch transition, and 3/4 inch trim components.
 6. Trim profiles from other EasyTrim systems shall not be substituted or intermixed unless explicitly approved in writing by the Manufacturer.

1.3 REFERENCES

- A. General: The publications listed within form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only. The edition/revision of the referenced publications shall be the latest date as of the date of the contract documents, unless otherwise specified.
- B. American Architectural Manufacturers Association (AAMA):
1. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum.
 2. AAMA 2604 - Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels.
- C. ASTM International (ASTM):
1. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
 2. ASTM B209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.
- D. US Green Building Council: LEED v 4.1

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Sufficient information to determine compliance with the Drawings and Specifications.
1. Manufacturer's information sheets marked to include products proposed for use. This includes, but is not limited to, construction details, material descriptions, dimensions of individual components and profiles, and finishes for trim and accessories.
 2. Storage and handling recommendations.
- C. Shop Drawings: For each product and accessory required.
1. Include information not fully detailed in manufacturer's standard product data, including, but not limited to:
 - a. Installation layouts of trim and accessories
 - b. Details: Edge conditions, joints, profiles, corners, anchorages, attachment system, trim, flashings, closures, and accessories; and special details.
 - c. Accessories: Include details of the flashing, trim, and anchorage, at a scale of not less than 1-1/2 inches [38 mm] per 12 inches [305 mm].
 - d. Distinguish between factory- and field-assembled work.
- D. Samples:
1. For initial color selection.
 2. For aluminum trim indicated with factory-applied color finishes.
 3. Finishes Involving Normal Color Variations: Include samples showing the full range of variations expected.
 4. Exposed Sealants: Each type and color required. Install joint sealants in 1/2-inch-wide joints formed between two 6-inch-long strips of material matching the appearance of trim adjacent to joint sealants.

E. LEED v 4.1 Submittals:

1. MR Credit, Building Product Disclosure and Optimization, Environmental Product Declarations: Submit Environmental Product Declaration (EPD).
2. MR Credit, Building Product Disclosure and Optimization, Sourcing of Raw Materials: Submit documentation of recycled content, indicating percentages by weight of post-consumer and pre-consumer content, and location of manufacture.
3. MR Credit, Building Product Disclosure and Optimization, Material Ingredients: Submit Health Product Declaration (HPD).
4. MR Credit, Construction and Demolition Waste Management: Submit documentation of total weight of project waste diverted from land fill.

1.5 QUALITY ASSURANCE

A. Qualifications:

1. Installer Qualifications: An employer of workers trained and approved by manufacturer.
 - a. A minimum of 5 years of experience, and has completed systems similar in material, design, and extent to that indicated for the Project and with record of successful performance.
 - b. Installer's Responsibilities: Install aluminum trim and accessories in accordance with the manufacturer's written instructions.

B. Regulatory Requirements: Comply with applicable requirements of the laws, codes, ordinances, and regulations of Federal, State, and local authorities having jurisdiction.

1. Obtain necessary approvals from such authorities.

C. Mock-Ups: Build mockups to verify selections made and to demonstrate aesthetic effects and to set quality standards for fabrication and installation.

1. Demonstrate prepared substrate, support/attachment framing, siding façade with aluminum trim, exterior finishes, and aesthetic appearance.
2. Confirm mock-up conforms with manufacturer's instructions and provisions of contract documents.
3. To be accepted in writing by architect or general contractor before commencement of work.

1.6 DELIVERY, STORAGE AND HANDLING

A. Deliver materials to the project site in Supplier's or Manufacturer's original wrappings and containers, labeled with Supplier's or Manufacturer's name, material or product brand name, and lot number, if any.

B. Materials Storage: Store in original, undamaged packages and containers, inside a well-ventilated area protected from weather, moisture, soiling, extreme temperatures, and humidity.

1. Unload and store trim and accessories in a manner to prevent bending, warping, twisting, and surface damage.
2. Trim and Accessories:
 - a. Stack trim and accessories off floor on pallets or similar platforms providing continuous support to prevent sagging. Stack accessories so that long lengths are not over short lengths.
 - b. Cover with suitable weathertight and ventilated covering.
 - c. Ensure dryness, with positive slope for drainage of water.
 - d. Do not store in contact with other materials that might cause staining, denting, or other surface damage.
 - e. Do not allow storage space to exceed 120 degrees F (49 degrees C).
 - f. Handling: Prevent damage to surfaces, edges, and ends of aluminum trims. Reject and remove damaged Material: from site.

1.7 PROJECT CONDITIONS

A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit installation of trim and cladding to be performed according to manufacturers' written instructions and warranty requirements.

B. Field Measurements: Verify locations of structural members and wall opening dimensions by field measurements before trim fabrication and indicate measurements on Shop Drawings.

1. Established Dimensions: Where field measurements cannot be made without delaying the Work, either establish framing and opening dimensions and proceed with trim installation without field measurements or allow for field adjustment of trim. Coordinate wall construction to ensure that actual building dimensions, locations of structural members, and openings correspond to established dimensions.

1.8 COORDINATION

A. Coordination: Coordinate trim and accessories systems with rain drainage work, flashing, siding and/or wall panels and construction of walls and other adjoining work to provide a leak proof, secure, and non-corrosive installation.

1.9 WARRANTY

- A. Manufacturer's limited 15-year warranty.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Acceptable Manufacturer: Engage Building Products Phone: 1-877-973-8746; URL: www.engagebp.com; Email: info@engagebp.com
- a. Substitutions: [Approved equals.] [Not permitted.] [Submit as specified in accordance with appropriate sections in Division 01.] [In accordance with Section 01 60 00.]

2.2 DESIGN / PERFORMANCE REQUIREMENTS

- A. Allowable tolerances in horizontal planes:
1. Allowable Deviation from Specified Length: 10 ft; +1/4 inch, -0 inches.
- B. Allowable tolerances in framed vertical construction.
1. Position: +1/4 inch maximum variation from design position.
2. Alignment: 1/8 inch in 8 ft; 1/4 inch maximum in any continuous wall, line, or surface.

2.3 MATERIALS AND FINISH

- A. Extruded Aluminum Shapes: ASTM B 221, 6063-T6 0.050 inches [1.27 mm] +/-0.005 inches (0.13 mm).
- B. Mechanical Fasteners: Aluminum, stainless steel, or other non-corrosive Material: compatible with aluminum trim.
- C. Standard lengths are 10 feet [3048 mm] unless otherwise indicated or specified.
- D. Finish: Anodized Finish.
1. Color: Satin Clear 10 / Aluminum Association Specification: AA-M12C22A31.
- a. Architectural Class II. Minimum 10µ (0.4 mil) coating.
2. Color: Black 18 / Aluminum Association Specification: AAM12C22A44
- a. Architectural Class II – Minimum 18µ (0.7 mil) coating.
- E. Finish: Primed.
1. Primer: Oven baked, PPG Duracon 100 Beige Primer. For site paint application with high-quality acrylic latex paint or factory pre-finished with high-quality acrylic latex paint or powder coat.
- F. Finish: Powder Coat, PowderPerfect™ Series.
1. Factory-applied powder coat finish complying with AAMA 2604.
2. Color: [Arctic White][Cobble Stone][Monterey Taupe][Pearl Gray][Aged Pewter][Iron Gray][Rich Espresso].
- G. Finish: ColorMatch® Pre-Finished Custom Color: Factory applied high-quality acrylic latex paint.
1. Air dried and cured.

2.4 ALUMINUM TRIM SYSTEM, 5/16 INCHES [8 mm]

- A. Basis of Design: 5/16 inch [8 mm] Trim System: For wall panels and faced panels.
1. Extruded Aluminum Alloy per ASTM B221, 6063-T6: 0.050 inches [1.27 mm] +/-0.005 inches [0.13 mm].
2. Dimensions: As indicated on the Drawings.
3. Trim Profile: EZ 01-E. Square Outside Corner 5/16 inch [8 mm].
- a. Creates a rigid, straight, and true, abuse resistant outside corner with 7/16 inch [11.5 mm] tabs that cover and protect the vertical ends of the panel.
- b. Integral drainage channels direct incidental water away from the panel edge.
4. Trim Profile: EZ 03-E. Inside Corner 5/16 inch [8 mm].
- a. Creates a rigid, straight, and true, abuse resistant inside corner with 7/16 inch [11.5 mm] tabs that cover and protect the vertical ends of the panel.
- b. Integral drainage channels direct incidental water away from the panel edge.

5. Trim Profile: EZ 04-E. Horizontal Z, 5/16 inch [8 mm].
 - a. Provides a level base to start the wall area and frame the bottom row of wall panels with a single 7/16 inch [11.5 mm] tab.
 - b. Integral drainage channels direct incidental water away from the panel edge. EZ.Slope® 8-degree angled ledge sheds water away from the wall.
6. Trim Profile: EZ 05-E. Horizontal Reveal H 5/16 inch [8 mm].
 - a. Creates a 7/16 inch [11.5 mm] tab, 5/16 inch [8 mm] reveal, 7/16 inch [11.5 mm] tab design that covers and protects the top horizontal edge of the bottom panel, creating symmetry and uniformity of design when used with EZ 07-E.
 - b. Integral drainage channels direct incidental water away from the panel edge. EZ.Slope® 8-degree angled ledge sheds water away from the wall.
7. Trim Profile: EZ 07-E. 2-Piece Vertical "U" shape 5/16 inch [8 mm].
 - a. A two-piece assembly consisting of a backplate and top cap.
 - 1) Top Cap: A 7/16 inch [11.5 mm] tab, 5/16 inch [8 mm] reveal, 7/16 inch [11.5 mm] tab design. Covers and protects the vertical edges of the panel and is joined to the backplate with the EZ.Lock® SNAPLOCK® engagement.
 - b. Integral drainage channels direct incidental water away from the panel edge.
8. Trim Profile: EZ 08-E. General J 5/16 inch [8 mm].
 - a. Creates a straight and true vertical terminating point with a 7/16 inch [11.5 mm] tab that covers and protects the vertical ends of panel. Can also be used around the sides and bottoms of windows and doors and other vertical wall penetrations.
 - b. Integral drainage channels direct incidental water away from the panel edge.
9. Trim Profile: EZ 10-E. Horizontal Base B 5/16 inch [8 mm].
 - a. Base trim for the bottom row of panels. Installs under and behind the first panel on the wall, with no tab over the panel face. This trim has a drip edge that acts as a stop point for EZ 12-E 2-Piece Square Outside Corner.
 - b. Use with any 2-Piece Outside Corner to prevent top cap from sliding down.
 - c. Use to start the wall area on an overhang that leads to a 90 degree horizontal return or soffit area.
 - d. Integral drainage channels direct incidental water away from the panel edge. EZ.Slope® 8-degree angled ledge sheds water away from the wall.
10. Trim Profile: EZ 12-E. 2-Piece Square Outside Corner 5/16 inch [8 mm].
 - a. A two-piece outside corner assembly consisting of a backplate and top cap.
 - b. Top Cap: Has a 7/16 inch [11.5 mm] tab on both sides. Covers and protects the vertical edges of the panel and is joined to the backplate with the EZ.Lock® SNAPLOCK® engagement.
 - c. Integral drainage channels direct incidental water away from the panel edge.
11. Trim Profile: EZ 13-E. Arrow Outside Corner 5/16 inch [8 mm].
 - a. Creates a rigid, straight, and true, abuse resistant outside corner with 3/4 inch [19.5 mm] tabs that cover and protect the vertical ends of the 5/16 inch [8 mm] panel.
 - b. Integral drainage channels direct incidental water away from the panel edge.
12. Trim Profile: EZ 14-E. X Outside Corner 5/16 inch [8 mm].
 - a. Creates a rigid, straight, and true, abuse resistant outside corner with 7/16 inch [11.5 mm] tabs that cover and protect the vertical ends of the 5/16 inch [8 mm] panel.
 - b. Integral drainage channels direct incidental water away from the panel edge.
13. Trim Profile: EZ 15-E. Multi-Angle Outside Corner 5/16 inch [8 mm]. 105 to 160 degrees.
 - a. Consists of two individual profiles joined together with a hinge to create a rigid, straight, and true corner that can be adjusted from 105 to 160 degrees and used when outside corner deviates from square.
 - b. 7/16 inch [11.5 mm] tabs cover and protect the vertical edges of the panel.
 - c. Integral drainage channels direct incidental water away from the panel edge.
14. Trim Profile: EZ 18-E. Multi-Angle Inside Corner 5/16 inch [8 mm]. 105 to 160 degrees.
 - a. Consists of two individual profiles joined together with a hinge to create a rigid, straight, and true corner that can be adjusted from 105 to 160 degrees and used when inside corner deviates from square.
 - b. 7/16 inch [11.5 mm] tabs cover and protect the vertical edges of the panel.
 - c. Integral drainage channels direct incidental water away from the panel edge.
15. Trim Profile: EZ 25-E. Vertical H 5/16 inch [8 mm].
 - a. Installs between two panels at a vertical joint, closing the joint with a flat trim face for a reveal-free appearance.
 - b. Integral drainage channels direct incidental water away from the panel edge.

-
16. Trim Profile: EZ 27-E. 2-Piece Inside Corner 5/16 inch [8 mm].
 - a. A two-piece inside corner assembly consisting of a backplate and top cap.
 - b. Top Cap: Has a 7/16 inch [11.5 mm] tab on both sides. Covers and protects the vertical edges of the panel and is joined to the backplate with the EZ.Lock® SNAPLOCK® engagement.
 - c. Integral drainage channels direct incidental water away from the panel edge.
 17. Trim Profile: EZ 102-E. Open Joint Vertical 5/16 inch [8 mm].
 - a. Vertical profile for open-joint panel aesthetics where indicated.
 - b. Integral drainage channels direct incidental water away from the panel edge.
 18. Trim Profile: EZ 104-E. 2-Piece Arrow Outside Corner 5/16 inch [8 mm].
 - a. Two-piece arrow outside corner assembly consisting of backplate and top cap.
 - b. Top cap is joined to the backplate with the EZ.Lock® SNAPLOCK® engagement.
 - c. Integral drainage channels direct incidental water away from the panel edge.
 19. Trim Profile: EZ 108-E. 2-Piece J 5/16 inch [8 mm] (Special Order).
 - a. Two-piece termination profile where indicated.
 - b. Top cap is joined to the backplate with the EZ.Lock® SNAPLOCK® engagement.
 - c. Integral drainage channels direct incidental water away from the panel edge.
 20. Trim Profile: EZ 109-E. 2-Piece X Outside Corner 5/16 inch [8 mm].
 - a. A two-piece X outside corner assembly consisting of a backplate and top cap.
 - b. Top Cap: Has 7/16 inch [11.5 mm] tabs that cover and protect the vertical edges of the panel and is joined to the backplate with the EZ.Lock® SNAPLOCK® engagement.
 - c. Integral drainage channels direct incidental water away from the panel edge.
 - B. Basis of Design: 5/16 to 3/4 inch [8 to 19 mm] Transition Trim System: For wall panels and faced panels.
 1. Transition Trim Profile: EZ 11-E. 2-Piece Vertical U 5/16 to 3/4 inch [8 to 19 mm].
 - a. A two-piece vertical assembly consisting of a backplate and top cap.
 - b. Top cap: A 7/16 inch [11.5 mm] tab, 5/16 inch [8 mm] reveal, 9/16 inch [14 mm] tab design. Covers and protects the vertical edges of the inset panel and is joined to the backplate with the EZ.Lock® SNAPLOCK® engagement.
 - c. Integral drainage channels direct incidental water away from the panel edge.
 2. Transition Trim Profile: EZ 16-E. 2-Piece Outside Corner 5/16 to 3/4 inch [8 to 19 mm].
 - a. A two-piece outside corner assembly consisting of a backplate and top cap.
 - b. Top cap: A 7/16 inch [11.5 mm] tab on one side and a 3/4 inch [19 mm] tab on the opposite side. Covers and protects the vertical edges of the inset panel and is joined to the backplate with the EZ.Lock® SNAPLOCK® engagement.
 - c. Integral drainage channels direct incidental water away from the panel edge.
 3. Transition Trim Profile: EZ 17-E. Inside Corner 5/16 to 3/4 inch [8 to 19 mm].
 - a. A rigid, straight, and true, inside corner with a 7/16 inch [11.5 mm] tab on one side and a 9/16 inch [14 mm] tab on the opposite side that cover and protect the vertical ends of the inset lapped planks or panel.
 - b. Allows panel and plank products of different depths to terminate at 90 degree inside corner condition.
 - c. Integral drainage channels direct incidental water away from the panel edge.
 4. Transition Trim Profile: EZ 45-E. Multi-Angle Outside Corner 5/16 to 3/4 inch [8 to 19 mm]. 105 to 160 degrees.
 - a. Consists of two individual profiles joined together with a hinge to create a rigid, straight, and true corner that can be adjusted from 105 to 160 degrees.
 - b. Used when an outside corner deviates from square.
 - c. A 7/16 inch [11.5 mm] tab on one side and a 3/4 inch [19 mm] tab on the opposite side covers and protects the vertical edges of the inset panel.
 - d. Integral drainage channels direct incidental water away from the panel edge.
 5. Transition Trim Profile: EZ 46-E. Multi-Angle Inside Corner 5/16 to 3/4 inch [8 to 19 mm] 105 to 160 degrees.
 - a. Consists of two individual profiles joined together with a hinge to create a rigid, straight, and true corner that can be adjusted from 105 to 160 degrees.
 - b. Used when an inside corner deviates from square.
 - c. A 7/16 inch [11.5 mm] tab on one side and a 3/4 inch [19 mm] tab on the opposite side covers and protects the vertical edges of the inset panel.
 - d. Integral drainage channels direct incidental water away from the panel edge.

- C. Basis of Design: 3/4 inch [19 mm] Trim System. Lapped Siding or less than 3/4 inch [19 mm] thick wall or faced panels.
1. Extruded Aluminum Alloy per ASTM B221, 6063-T6. 0.050 inches +/-0.005 inches.
 2. Dimensions: As indicated on the Drawings.
 3. Trim Profile: EZ 31-E. Square Outside Corner 3/4 inch [19 mm].
 - a. Creates a rigid, straight, and true, abuse resistant outside corner with 3/4 inch [19 mm] tabs that cover and protect the vertical ends of the inset lapped planks or panel.
 - b. EZ.Bump drainage feature directs incidental water away from the ends of the lapped planks.
 4. Trim Profile: EZ 33-E. Arrow Outside Corner 3/4 inch [19 mm].
 - a. Creates a rigid, straight, and true, abuse resistant outside corner with 1-3/4 inch (44 mm) tabs that cover and protect the vertical ends of the inset lapped planks or panel.
 - b. EZ.Bump drainage feature directs incidental water away from the ends of the lapped planks.
 5. Trim Profile: EZ 34-E. X Outside Corner 3/4 inch [19 mm].
 - a. Creates a rigid, straight, and true, abuse resistant outside corner with 3/4 inch [19 mm] tabs that cover and protect the vertical ends of the inset lapped planks or panel.
 - b. EZ.Bump drainage feature directs incidental water away from the ends of the lapped planks.
 6. Trim Profile: EZ 35-E. Multi-Angle Outside Corner 3/4 inch [19 mm]. 105 to 160 degrees.
 - a. Consists of two individual profiles joined together with a hinge to create a rigid, straight, and true corner that can be adjusted from 105 to 160 degrees and used when outside corner deviates from square. 3/4 inch [19 mm] tabs cover and protect the vertical ends of the inset lapped planks or panel.
 - b. EZ.Bump drainage feature directs incidental water away from the ends of the lapped planks.
 7. Trim Profile: EZ 36-E. Inside Corner 3/4 inch [19 mm].
 - a. Creates a rigid, straight, and true, inside corner with 3/4 inch [19 mm] tabs that fully cover protect the vertical ends of the inset lapped planks or panel.
 - b. EZ.Bump drainage feature directs incidental water away from the ends of the lapped planks.
 8. Trim Profile: EZ 37-E. Multi-Angle inside Corner 3/4 inch [19 mm]. 105 to 160 degrees.
 - a. Consists of two individual profiles joined together with a hinge to create a rigid, straight, and true corner that can be adjusted from 105 to 160 degrees and used when inside corner deviates from square. 3/4 inch [19 mm] tabs cover and protect the vertical ends of the inset lapped planks or panel.
 - b. EZ.Bump drainage feature directs incidental water away from the ends of the lapped planks.
 9. Trim Profile: EZ 38-E. 2-Piece Vertical "U" 3/4 inch [19 mm].
 - a. A two-piece assembly consists of a backplate and top cap.
 - b. Top Cap: A 1/2 inch [13 mm] tab, 1/2 inch [13 mm] reveal, 1/2 inch [13 mm] tab design. Covers and protects the vertical edges of the inset lapped planks or panel and is joined to the backplate with the EZ.Lock® SNAPLOCK® engagement.
 10. Trim Profile: EZ 40-E. General "J" 3/4 inch [19 mm].
 - a. Creates a straight and true terminating point with a 3/4 inch [19 mm] tab that covers and protects the vertical ends of the inset lapped planks or panel.
 - b. Can be used around the sides and bottoms of windows and doors and other wall penetrations.
 - c. EZ.Bump drainage feature directs incidental water away from the ends of the lapped planks.
 11. Trim Profile: EZ 41-E. 2" Insulated Window 3/4 inch [19 mm] (Special Order).
 - a. Creates a rigid, straight, and true, abuse resistant jamb with a 3/4 inch [19 mm] tab that covers and protects the vertical ends of the inset lapped planks.
 - b. The extended leg conceals and protects insulation and rainscreen terminations.
 - c. EZ.Bump drainage feature directs incidental water away from the ends of the lapped planks.
 12. Trim Profile: EZ 42-E. 2-Piece Arrow Outside Corner 3/4 inch [19 mm].
 - a. A two-piece outside corner assembly consisting of a backplate and top cap.
 - b. Top Cap: Has a 1-3/4 inch [44 mm] tab on both sides. Covers and protects the vertical ends of the inset lapped planks or panel and is joined to the backplate with the EZ.Lock® SNAPLOCK® engagement.
 - c. EZ.Bump drainage feature directs incidental water away from the ends of the lapped planks.
 13. Trim Profile: EZ 44-E. Horizontal Z Trim 3/4 inch [19 mm].
 - a. Provides a horizontal termination or transition for thicker panel conditions.
 - b. EZ.Slope® 8-degree angled ledge sheds water away from the wall.

14. Trim Profile: EZ 48-E. Horizontal Base "Z" 3/4 inch [19 mm].
 - a. Provides the kickout required to start LAP plank installation. A 1 inch [25 mm] tab hides any unsightly exposed gaps. Blocks any moisture from getting up to the nailing flange and beyond. Ensures the moisture properly drains.
 - b. EZ.Slope® 8-degree angled ledge sheds water away from the wall.
15. Trim Profile: EZ 49-E. 2-Piece J Trim 3/4 inch [19 mm] (Special Order).
 - a. Two-piece trim profile for panel terminations. Provides a clean, finished edge and conceals fasteners for a seamless appearance. Designed for easy installation and durable edge protection.
 - b. Top cap is joined to the backplate with the EZ.Lock® SNAPLOCK® engagement.
 - c. EZ.Bump drainage feature directs incidental water away from the ends of the lapped planks.

2.5 UNIVERSAL TRIMS

- A. Basis of Design: Universal Horizontal Trims:
 1. Universal Trim Profile: EZ 60. Perforated Vented Starter Strip (Vinyl)
 - a. Perforations allow for drainage and ventilation of the rainscreen cavity while keeping bugs out.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Panels: Install in accordance with the latest edition of the manufacturer's Installation Instructions.
- B. EasyTrim Elegance®: Install trims in accordance with the manufacturer's written Installation Guide for the EasyTrim Elegance® Aluminum Trim System.

3.2 SPECIAL CONSIDERATIONS AND BEST PRACTICES

- A. Do not install General J trims in a horizontal orientation where the profile may collect or retain water.
- B. Do not install vertical trim profiles in a horizontal orientation where water retention may occur.
- C. At door and window openings and at intersections with adjacent materials, seal cut panel edges in accordance with the panel manufacturer's recommendations.
- D. EasyTrim Elegance® trims are non-structural components and are not intended to function as primary through-wall or wall-penetration flashings, nor to replace flashings required by applicable building codes or by the building envelope engineer, consultant, or Architect.

3.3 PROTECTION

- A. Protect EasyTrim Elegance® trims and accessories from damage during construction. Handle and store trims as finished products.
- B. Touch-up, repair or replace damaged products before substantial completion.

END OF SECTION



Typical panel trim installation condition shown for illustrative purposes only.

10. BASIC INSTALLATION STEPS

EasyTrim Elegance® – Advanced Architectural Aluminum Trim System

The following steps summarize the typical installation sequence for the EasyTrim Elegance® system. They are condensed from the EasyTrim Elegance® Installation Guide, Version 2.0, July 2026. Installation shall be performed in accordance with the full Installation Guide, which governs in the event of any conflict.

The EasyTrim Elegance® system provides precise cladding alignment, edge protection, consistent reveal geometry, and clean terminations while accommodating normal construction tolerances.



EasyTrim How to
To access the full guide, scan the QR code.

EasyTrim Elegance® – Advanced Architectural Aluminum Trim System

IMPORTANT NOTICE – EASYTRIM ELEGANCE® TRIM SYSTEM

Failure to comply with the requirements and installation procedures outlined in this guide may void the EasyTrim Elegance® Trim System warranty.

This guide applies exclusively to the EasyTrim Elegance® Advanced Architectural Aluminum Trim System, including all associated profiles, accessories, and two-piece assemblies. Review all instructions in their entirety prior to installation. For questions, conflicts, or project-specific conditions, contact info@engagebp.com.

Installation requirements may vary depending on wall assembly design, panel thickness, substrate conditions, trim profile selection, and applicable building codes. Any deviation from this guide, including modifications to trim sequencing, fastening methods, or profile application, shall be reviewed and approved by EasyTrim Elegance® prior to installation.

Installation shall be performed by qualified installers experienced in exterior panel and lap siding cladding systems and aluminum trim assemblies. All work shall comply with accepted construction safety practices. Refer to applicable EasyTrim Elegance® Safety Data Sheets (SDS) for additional safety information.

KEY INSTALLATION REQUIREMENTS

1. Review all EasyTrim Elegance® trim profiles, backplates, top caps, and accessories prior to commencing work.
2. Confirm selected profiles correspond to the specified panel thicknesses and transition conditions.
3. Plan trim layout, reveal alignment, panel sequencing, and EZ.Lock® SNAPLOCK® engagement prior to installation.
4. Install trim components strictly in the sequence indicated to ensure proper panel capture and reveal consistency.
5. Use appropriate personal protective equipment (PPE), including gloves, safety glasses, hearing protection, steel-toe boots, and hard hat.
6. Store aluminum trim components flat, supported, and protected to prevent deformation or surface damage.
7. Verify fit, alignment, reveal dimensions, and required clearances for thermal movement prior to fastening.
8. Engage all two-piece trim top caps fully into backplates to ensure secure SNAPLOCK® attachment.
9. Upon completion, remove protective film and clean exposed aluminum surfaces in accordance with manufacturer recommendations.

MATERIAL RECEIVING AND INSPECTION

Upon delivery, inspect all EasyTrim Elegance® Trim System components, including extruded aluminum trims, backplates, top caps, and accessories, to confirm materials are undamaged and conform to the approved submittals and shop drawings.

- Verify correct profile types, dimensions, finishes, and quantities.
- Record any shipping or packaging damage on delivery documentation and notify the distributor immediately.
- The receiving party is responsible for submitting freight claims to the carrier within 24 hours of delivery.
- Report defective, damaged, or non-conforming materials to the distributor prior to installation. Do not install damaged components.

10.2 FEATURES



EasyTrim Elegance® – Advanced Architectural Aluminum Trim System

Simplified Installation Logic

The EasyTrim Elegance® system employs a clear trim hierarchy and repeatable detailing that supports predictable installation sequencing and reduced on-site coordination.

Controlled Water Management

Trim profiles are designed to support positive drainage and direct incidental moisture away from panel edges and terminations when integrated with the primary weather-resistive barrier and flashing systems.

Air Barrier Continuity

The system integrates cleanly with continuous air barrier assemblies, maintaining uninterrupted air and water control layers at panel joints, corners, and opening conditions.

Panel Edge Capture and Protection

Trim profiles fully capture exposed panel edges, reducing susceptibility to moisture intrusion while maintaining consistent reveal geometry.

Constructability Across Wall Assemblies

Compatible with a range of panelized cladding types, substrates, and wall assemblies, allowing detailing strategies to remain consistent across varying project conditions.

Accommodation of Field Tolerances

The system is engineered to absorb typical framing and substrate irregularities while preserving alignment and joint consistency.

Reduced Coordination Risk

Defined trim solutions at transitions, terminations, and openings minimize reliance on field-fabricated details and improve detailing reliability.

Sequencing-Friendly Assembly

Two-piece trim assemblies allow backplates to be installed prior to panel placement, with finish components installed after alignment, improving installation efficiency and finish quality.

Non-Interference with Primary Control Layers

EasyTrim Elegance® components function as architectural trim and edge-protection elements and do not replace required air, water, or vapor control layers.

Predictable Long-Term Performance

Standardized trim geometry and panel capture support consistent performance over time and simplify inspection and maintenance.

INSTALLATION SUPPORT

Technical installation support is available to provide clarification, sequencing guidance, and system-specific instruction to support accurate and efficient installation of the EasyTrim Elegance® Advanced Architectural Aluminum Trim System.

For assistance, contact the EasyTrim Elegance® Installation Support Team at 1-877-973-8746.



EasyTrim How to
To access the full guide,
scan the QR code.

PREPARATION

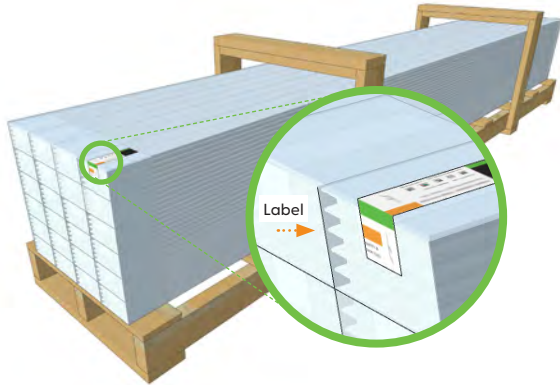


Figure 4.1

- Comply with all applicable local building codes, project specifications, and approved shop drawings prior to commencing work.
- Ensure a safe work environment is maintained at all times in accordance with applicable safety regulations and site-specific requirements, including the use of appropriate personal protective equipment (PPE).
- Materials are delivered on pallets (see Figure 4.1). Pallet size may vary depending on order quantity and profile type. All products are individually packaged and labeled by profile type and finish.
- Upon delivery, inspect all materials for damage, defects, finish quality, color accuracy, color consistency, and conformance with the approved trim specifications. Any discrepancies shall be reported prior to installation.
- Verify product labels to confirm that all required components have been received. Each package is labeled for identification.
- One-piece profiles are wrapped and labeled with profile type and finish.
- Two-piece profiles (top caps and back plates) are packaged separately and bundled together. Joint identification labels indicate the corresponding components; contents shall be verified prior to installation.
- Confirm that all required tools and equipment are available, in proper working condition, and suitable for aluminum trim installation.
- All aluminum trim profiles are supplied in standard 10 ft [3048 mm] lengths and are manufactured from solid extruded aluminum.

STORAGE & HANDLING

For storage and handling requirements, see Section 10.4, Storage & Handling, and Section 1.6 of the Master Guide Specification.

CARE & MAINTENANCE

For cleaning and maintenance requirements, see Section 10.11, Care & Maintenance.



REMINDER

To ensure product performance, follow all installation instructions as well as all applicable building codes. Failure to do so may void the product warranty.

10.4 STORAGE & HANDLING

EasyTrim Elegance® – Advanced Architectural Aluminum Trim System

Storage

- Store trims indoors in a cool, dry area, preferably on racking.
- If stored outdoors, cover materials with a weathertight, ventilated covering to protect against the elements.
- Store trims in a manner that prevents distortion, surface damage, or finish abrasion. Do not stack other materials on top of trim profiles.

Skid Stacking

- Stack EasyTrim Elegance® skids no more than two high, with the lighter skid on top to prevent damage to the skid below and its material.
- Lift skids from the side, or from the end using forklift extensions of at least 6 ft.

Breaking Bundles

- Open bundles by cutting the wrap at one end and working down the length of the bundle. Keep the knife away from the trim to avoid scratching the finish.
- Do not pull pieces out from the end of a bundle, as this may scratch the material.

Handling

- Handle trim profiles carefully to prevent bending, scratching, or finish damage.
- Do not slide or drag trims across the ground or against abrasive surfaces.
- Lift and carry trims as required to maintain edge integrity and surface finish.

10.5 TRIM SELECTION

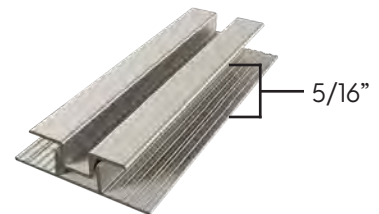
EasyTrim Elegance® – Advanced Architectural Aluminum Trim System

Step 1: Choose Your Trim System

The trims you use will be largely determined by your cladding. Start by identifying whether you are installing panel, lap, or transitioning between the two. This will guide your trim selection and ensure the correct profiles for proper fit, function, and finish.

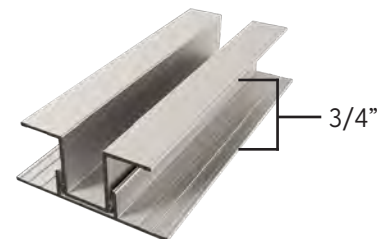
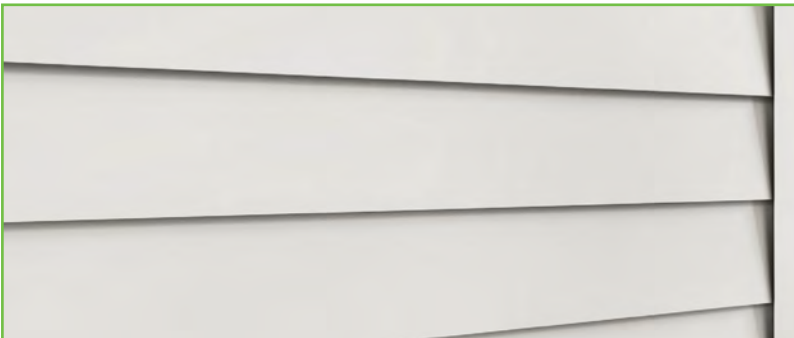
5/16" Panel Trim System

Features a precise 5/16" opening, designed to accommodate panel thicknesses up to 5/16".



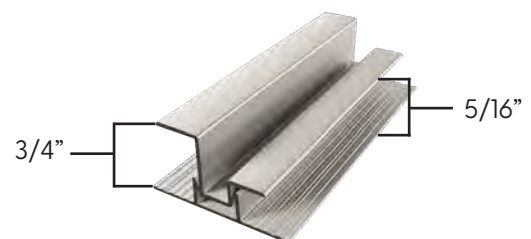
3/4" Lap Trim System

Features a 3/4" opening, designed to accommodate lap siding up to 3/4" in thickness.



5/16" to 3/4" Panel to Lap Transition Trims

Designed to accommodate panels up to 5/16" in thickness on one side and lap siding up to 3/4" on the other, ensuring proper alignment, consistent spacing, and a clean, secure transition between materials.



Step 2: Choose Your Profiles

Trim selection should be based on edge protection, desired joint expression, and installation tolerance control. It should also align with your layout and installation sequence, as well as the overall building envelope detailing.

Vertical Midfield Trims



Typical Profiles:

EZ 07-E – 2-Piece Vertical U

The signature profile of the Reveal design look, this 2-piece trim creates deep, crisp shadow lines that define the system's architectural character.

EZ 25-E – Vertical H

The defining trim of the Mono design look. Reveal-free profile for a clean, uninterrupted finish.

EZ 102-E – Open Joint Vertical

Allows an expressed open joint condition with protected panel edges for articulated façades.

Outside Corners



Typical Profiles:

EZ 12-E – 2-Piece Square Outside Corner

Rigid, two-piece corner with equal tab coverage for standard panel conditions.

EZ 104-E – 2-Piece Arrow Outside Corner

Extended tab coverage providing enhanced edge concealment and stronger visual definition.

EZ 109-E – 2-Piece X Outside Corner

Increased stiffness and edge coverage for high-visibility or impact-prone corners.

Horizontal Trims



Typical Profiles:

EZ 04-E – Horizontal Z Trim

Horizontal termination or base condition with integrated drip edge.

EZ 05-E – Horizontal Reveal H Trim

Controlled horizontal reveal providing consistent articulation between panel courses.

EZ 10-E – Horizontal Base B Trim

Starter trim establishing panel alignment and moisture management at base conditions.

10.6 FASTENING

EasyTrim Elegance® – Advanced Architectural Aluminum Trim System

Substrate Type

	Wood Nails: 1¼" or greater (based on job requirements), hot-dipped galvanized ring-shank.
	Metal Screws: ¾" or greater (based on job requirements), self-piercing galvanized/stainless steel wafer head screw.

Note: Ensure screw head depth is low enough to allow for panel to be installed so that it is not under tension. (Figure 11.1).

Where to Place Fasteners

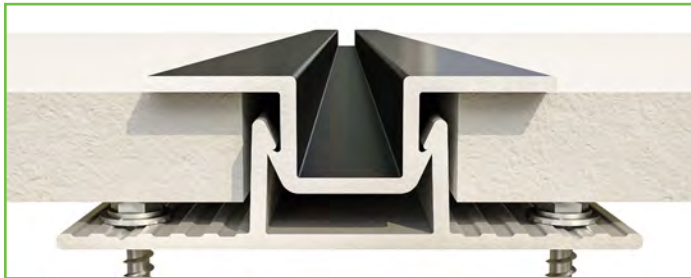


Figure 11.1

Each profile has a fastening guide called the EZ.Line®- located on the fastening flange. (Figure 11.2).

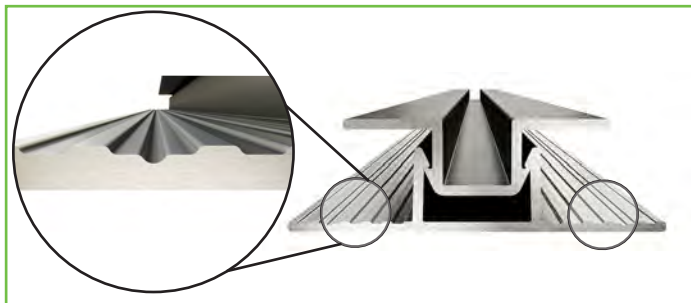


Figure 11.2 Pictured: the EZ.Line® on the EZ 07-E Vertical U Panel Assembly back-plate.

Fasten at 16" on center and no further than 2" from ends.

On any corner profile or profile with two fastening flanges, alternate the nailing patterns from one flange to the next (Figure 11.3).

Avoid aligning nails to prevent pillowing or buckling of the profile, except at ends. At any end of a trim having two nailing flanges it is recommend to have a nail in each flange no further than 2".

Fasten all vertical and horizontal trims to studs when possible.



Figure 11.3

Do not fasten two pieces of trim together (Figure 11.4).



Figure 11.4

Never fasten a panel or lap plank through a nailing flange. This could result in damaging the panel over time. (Figure 11.5).



Figure 11.5

See panel installation
pg.33 to 35



See window
details pg.36

10.7 PANEL INSTALLATION PROCESS

EasyTrim Elegance® – Advanced Architectural Aluminum Trim System

This section illustrates the typical installation sequence and trim integration for exterior panel cladding using the EasyTrim Elegance® Panel Trim System.

Details shown represent installation intent only and shall be coordinated with project drawings, panel manufacturer requirements, applicable codes, and the EasyTrim Elegance® Installation Guide.



EasyTrim How to
To access the full guide,
scan the QR code.

1. Confirm the grid line layout against the approved project drawings and mark the midfield grid lines. (Figure 13.1).



Figure 13.1

2. Fasten the outside corner backplate with its bottom at the cladding start point. (Figure 13.2)



Figure 13.2

3. Place the starter trim over the corner's nailing flange, leaving a 1/8" gap from the inside edge of the backplate. Align the bottoms, level and fasten. (Figure 13.3).



Figure 13.3

Flush

1/8" gap

4. As a best practice, install 8" x 8" flashing over the horizontal trim's nailing flange, centered behind each midfield vertical trim location. (Figure 13.4).

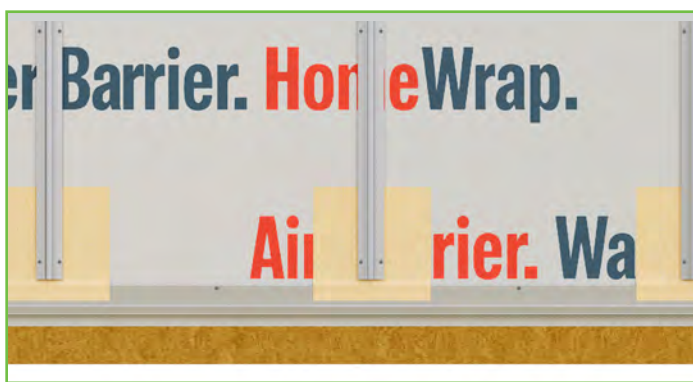


Figure 13.4

5. Fasten the midfield vertical backplates over the flashing, with the bottom 1/4" above the horizontal trim's nailing flange and the top at the top-of-panel location. Vertical backplates must never overlap a horizontal nailing flange. Plumb and fasten all midfield backplates along the course. (Figure 14.1).



Figure 14.1

6. Cut panels 1/8" less than the horizontal distance between trims. Panel height is measured from the ledge of the horizontal trim to the top-of-panel location; confirm any gap required by the panel manufacturer. Fasten panels per the panel manufacturer's specifications. (Figure 14.2).



Figure 14.2

7. Cut each vertical top cap from the top edge of the panel to the outer edge of the horizontal trim, with an 8-degree bevel at the bottom to match the slope of the horizontal profiles. To eliminate wind chatter, a small dot of exterior silicone in the EZ.Lock® channel at 24" intervals is recommended. (Figure 14.3).

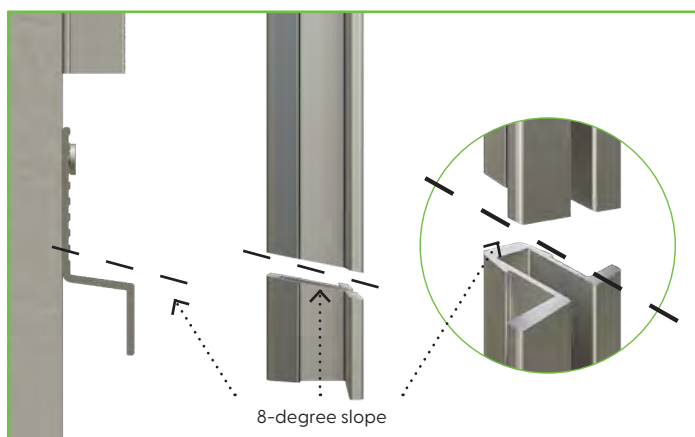


Figure 14.3

8. Align the top cap with the backplate and seat it with the HammerBlock®, striking in 8" to 10" increments from one end to the other. (Figure 14.4).



Figure 14.4

9. Install the next horizontal trim with its bottom tab overlapping the top edge of the panel and the ends of the vertical trims. Leave a 1/8" gap from the inside edge of the adjacent backplate. Level and fasten, then repeat for each course. (Figure 15.1)

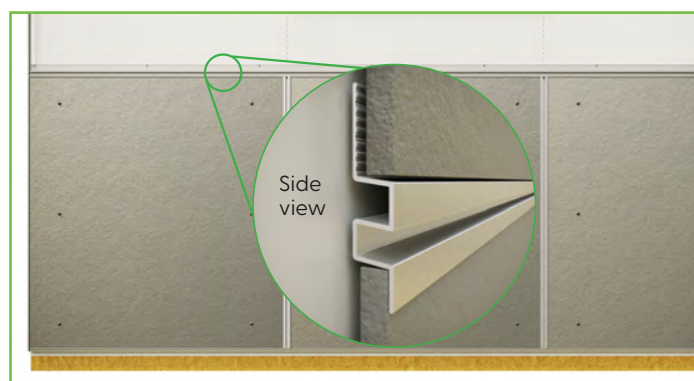


Figure 15.1

10. At the top of the wall, install a J trim. Where an EZ 08-E terminates into another trim, notch it 1-1/4" along the side and across the nailing flange, and tuck its tab under the intersecting trim. Keep midfield vertical backplates 1/8" from the J trim's nailing flange. (Figure 15.2a & 15.2b).

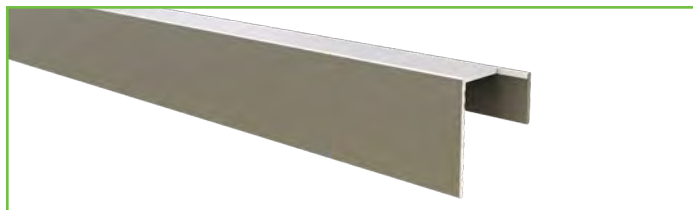


Figure 15.2a



Figure 15.2b

11. Complete the remaining sides of the building. Corner top caps are installed last. (Figure 15.3).



Figure 15.3

10.8 BASIC PANEL WINDOW DETAILS

EasyTrim Elegance® – Advanced Architectural Aluminum Trim System

1. Fasten an EZ 08-E at the sill, extending 1/8" past both sides of the window frame. (Figure 16.1)



Figure 16.1

2. Fasten an EZ 08-E to each jamb, butting the window frame, with the bottom aligned to the bottom of the frame and the top aligned to the top of the frame. The window flashing overlaps the EZ 08-E. (Figure 16.2a & 16.2b)



Figure 16.2a



Figure 16.2b

3. Below the window, install an EZ 05-E lapped over the EZ 08-E nailing flange, leaving a 1/8" gap from the inside edge of the backplate. (Figure 18.2).



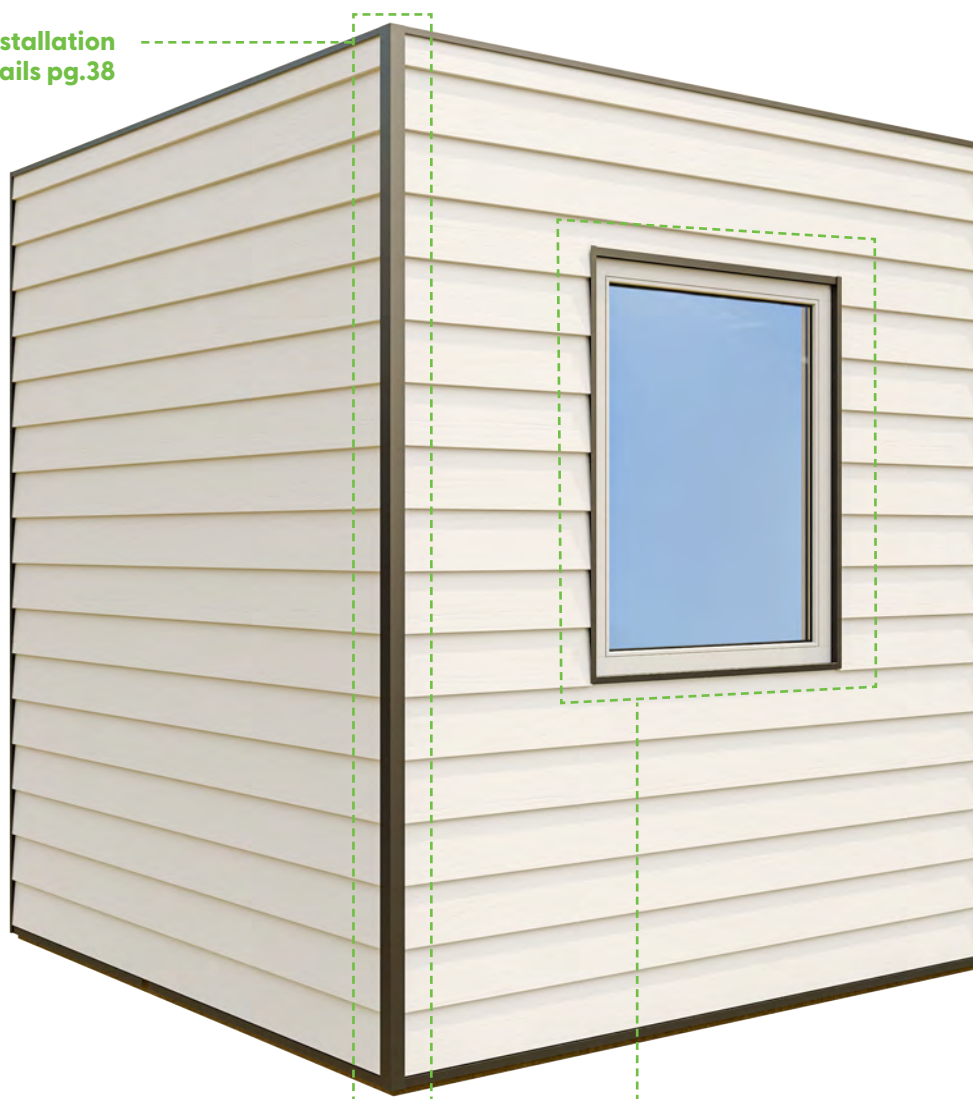
Figure 18.2

4. At the head, install the chosen horizontal trim continuously over the window, overlapping the EZ 08-E and the panel. Continue using the panel installation steps. (Figure 18.4).



Figure 18.4

See Lap installation
details pg.38



See window
details pg.39

10.9 TYPICAL LAP INSTALLATION PROCESS

EasyTrim Elegance® – Advanced Architectural Aluminum Trim System

The following pages illustrate the typical installation sequence for the EasyTrim Elegance® Lap Trim System, including trim coordination, fastening intent, and lap interface conditions.

Installation shall comply with project drawings, applicable codes, and the EasyTrim Elegance® Installation Guide.



EasyTrim How to
To access the full guide,
scan the QR code.

1. Fasten the outside corner with its bottom at the cladding start point. (Figure 19.1) (see Fastening Info).



Figure 19.1

2. Place the EZ 48-E starter trim over the corner's nailing flange, leaving a 1/8" gap from the inside edge of the backplate. Align the bottoms, level and fasten. (Figure 19.2)



Figure 19.2

3. At the top of the wall, install an EZ 40-E J trim. Where an EZ 40-E terminates into another trim, notch it 3" along the side and across the nailing flange, and tuck its tab under the intersecting trim. (Figure 19.3a & 19.3b).

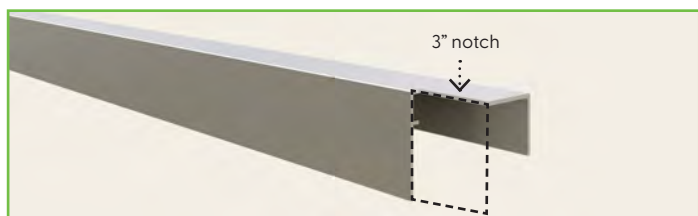


Figure 19.3a



Figure 19.3b

10.10 BASIC LAP WINDOW DETAILS

EasyTrim Elegance® – Advanced Architectural Aluminum Trim System

1. Extend the EZ 40-E sill trim 3/4" past both sides of the window, and notch both ends flush to the window frame. (Figure 20.1a & 20.1b).



Figure 20.1a



Figure 20.1b

2. Install an EZ 40-E at each jamb, butting the sill trim and aligned with the notch. Extend the jamb trim 1/8" past the edge of the window flashing. (Figure 20.2).



Figure 20.2

3. Cut and fit lap planks into the sill and jamb trims. (Figure 20.3).



Figure 20.3

EasyTrim Elegance® – Advanced Architectural Aluminum Trim System

Drainage Channels & EZ.Slope® Technology

Integrated drainage channels direct water away from cladding edges and trim interfaces, reducing standing moisture and limiting dirt accumulation. An engineered 8° slope prevents grime buildup on horizontal surfaces.

While these features reduce maintenance requirements, Engage Building Products® recommends the following care and maintenance of the EasyTrim Elegance® System.

Cleaning After Installation

1. Perform cleaning after installation to remove construction and accumulated environmental dirt.
2. Wash any exposed exterior surfaces using solution of mild detergent and warm water, using a soft clean cloth. Wipe exterior surfaces clean as part of final clean up.
3. Upon completion of installation, remove surplus materials, garbage, tools and equipment barriers.

Regular Care & Maintenance

A regular maintenance program must be instituted to clean the surface periodically to prevent accumulation of concentrated dirt, grime, salt deposits, and/or foreign debris. End user maintenance and cleaning must be adequately documented to ensure the validity of product and finish warranties.

1. Regular annual inspection of trims for defect or damage.
2. Each year, wash down exposed exterior surfaces using solution of mild detergent and warm water using a soft, clean cloth. Wipe exterior surfaces clean as part of final clean up.
3. Apply matching touch-up paint as needed to correct minor paint flaws.
4. Pressure washing and the use of harsh detergents or chemicals is not recommended.

Repair

Damage may be found on the trim surface during cleaning or maintenance. Touch-up paint should be limited to minor scratches and chips. Trim with damage beyond minor touch-up should be replaced. On two-piece trims, a damaged top cap can be replaced without removing the siding. Anodized finishes cannot be painted. Damaged anodized trim should be replaced.

When no corrosion is found:

- A touch-up paint can be applied for protective and aesthetic reasons.
- Clean and dry the surface (as described above) before applying a repair paint system (primer and topcoat) recommended by the material supplier.

When small corrosion defects are found:

- Remove the dust by abrading, scraping, and sand blasting to the bare material.
- Degrease the complete surface.
- Clean and dry the surface (as described above) before applying a repair paint system (primer and topcoat) recommended by the material supplier.

If trim requires refinishing beyond minor touch-up, contact Engage Building Products® before proceeding to confirm a compatible repair method or to arrange replacement components. Using a repair paint that is not compatible with the original finish may cause undesired effects.

EasyTrim Elegance® – Advanced Architectural Aluminum Trim System

The EasyTrim Elegance® Advanced Architectural Aluminum Trim System 15-Year Limited Warranty is extended to original purchasers of EasyTrim Elegance® aluminum trim profiles.

This warranty is for the benefit of the original property owner who purchased the product and is not transferable. Engage Building Products® warrants that our aluminum trim profiles, when installed properly shall be free of manufacturing defects in workmanship and materials and will not split, crack, peel, blister, flake, rust nor be subject to abnormal weathering. With proper substrate, EasyTrim Elegance® will not buckle or split.

If the aluminum trim profiles fail to perform as warranted, Engage Building Products® will provide, at its option, replacement parts or components to the dealer specified by the original purchaser at no cost. Engage Building Products® will not be responsible for installation or labor costs.

General Conditions and Exclusions

The EasyTrim Elegance® Warranty is not transferable, and is subject to the general conditions and exclusions: There are certain conditions or applications over which Engage Building Products® has no control. The EasyTrim Elegance® Warranty does not cover defects or problems as a result of such conditions or applications.

What is NOT covered:

- Damage caused by improper installation, use, application or maintenance;
- Damage to the finished metal caused by handling, shipping, processing;
- Storage, installation and/or improper cleaning;
- Damage from contact with harmful chemicals, fumes, or vapors;
- Normal weathering, chalking, fading, atmospheric pollutants or mildew build-up;
- Damage from settlement, shrinkage, or distortion of the structure;
- 3rd party pre-finished or field applied coatings;
- Acts of God, fire and casualty; and
- Installation or labor costs.

The limited warrants set forth are the only warranties (whether written or oral) applicable to EasyTrim Elegance® aluminum trim profiles.

Engage Building Products® makes no other warranties, express or implied and makes no implied warranties of merchantability or fitness for a particular purpose. The remedies stated within are your sole and exclusive remedy and Engage Building Products® will not be responsible for incidental or consequential damages relating to your purchase or use of EasyTrim Elegance® products. Engage Building Products® liability in all instances will be limited to replacement of material based on purchase date and warranty claim date.

This warranty is applicable in Canada, the United States, Europe and Australia. Some US states do not allow for the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state, and from country to country.

How to Get Help if You Have a Warranty Claim

To obtain help with a warranty claim, contact the dealer, distributor or building products supplier where EasyTrim Elegance® was purchased originally. If, after thirty (30) days you have received no response to your concerns, then contact Engage Building Products® via email sending your email to warranty@engagebp.com, or sending a letter to:

Engage Building Products
101, 4441 76 Ave SE
Calgary, Alberta Canada
T2C 2G8

Please include the following documentation:

1. Identify the EasyTrim Elegance® Trim System profile(s), date and place of purchase, and purchase price (proof of purchase required).
2. Describe the problem (photographs are required).
3. Describe any action you have taken, or those persons contacted in an attempt to correct the problem.
4. Give your name, phone number and address where the product can be inspected.



12. ENVIRONMENTAL & HEALTH DOCUMENTATION

EasyTrim Elegance® – Advanced Architectural Aluminum Trim System

The following Environmental Product Declaration (EPD) and Health Product Declaration (HPD) documentation is provided for reference and sustainability evaluation purposes.

ENVIRONMENTAL PRODUCT DECLARATION

EXTRUDED ALUMINUM

INDUSTRY-AVERAGE EXTRUDED ALUMINUM MANUFACTURED IN NORTH AMERICA



The Aluminum Association and the aluminum industry are committed to responsible environmental stewardship. Aluminum is one of the most sustainable materials in use today:

- **Strong and lightweight:** Aluminum's favorable strength-to-weight ratio means it can be substituted for heavier materials, driving energy efficiency.
- **Infinitely recyclable:** Aluminum can be recycled over and over again without losing any of its fundamental properties.
- **Efficiency improvements:** Through voluntary industry efforts, the North American aluminum industry has reduced the carbon footprint of primary aluminum production by 49 percent since 1991.
- **Corrosion-resistant:** Durable aluminum lasts longer than many competing materials, limiting the need for replacement.
- **Highly recycled:** Aluminum is one of the most recycled materials on the market today. And production recycled aluminum takes just 7 percent of the energy needed to make primary aluminum.



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EPD PROGRAM AND PROGRAM OPERATOR NAME, ADDRESS, LOGO, AND WEBSITE	UL Environment 333 Pfingsten Road Northbrook, IL 60611	WWW.UL.COM www.spot.ul.com
GENERAL PROGRAM INSTRUCTIONS AND VERSION NUMBER	Program Operator Rules v2.7 2022	
MANUFACTURER NAME AND ADDRESS	The Aluminum Association 1400 Crystal Drive, Suite 430, Arlington, VA 22202	
DECLARATION NUMBER	4790545973.104.1	
DECLARED PRODUCT & FUNCTIONAL UNIT OR DECLARED UNIT	Extruded aluminum, one metric ton (1000 kg)	
REFERENCE PCR AND VERSION NUMBER	ULE PCR Part A – Product Category Rules for Building-Related Products and Services v4 ULE PCR Part B – Aluminum Construction Products v1.0	
DESCRIPTION OF PRODUCT'S INTENDED APPLICATION AND USE	Extruded aluminum for use in building applications	
PRODUCT RSL DESCRIPTION (IF APPL.)	n/a	
MARKETS OF APPLICABILITY	North America	
DATE OF ISSUE	September 27, 2022	
PERIOD OF VALIDITY	5 Years	
EPD TYPE	Industry-average	
RANGE OF DATASET VARIABILITY	Industry-average only	
EPD SCOPE	Cradle to gate with end-of-life options (C1-C4 and D)	
YEAR(S) OF REPORTED PRIMARY DATA	2015-2019	
LCA SOFTWARE & VERSION NUMBER	GaBi 10.6.1.35	
LCI DATABASE(S) & VERSION NUMBER	GaBi 2020.1 (CUP 2020.1)	
LCIA METHODOLOGY & VERSION NUMBER	IPCC AR5 (GWP), TRACI 2.1 and CML v4.2	

The PCR review was conducted by:

UL Environment

PCR Review Panel

epd@ul.com

This declaration was independently verified in accordance with ISO 14025: 2006.

☐ INTERNAL

☒ EXTERNAL

Cooper McC
Cooper McCollum, UL Environment

This life cycle assessment was conducted in accordance with ISO 14044 and the reference PCR by:

WAP Sustainability

This life cycle assessment was independently verified in accordance with ISO 14044 and the reference PCR by:

James H. Mellent
James Mellentine, Thrive ESG

LIMITATIONS

Exclusions: EPDs do not indicate that any environmental or social performance benchmarks are met, and there may be impacts that they do not encompass. LCAs do not typically address the site-specific environmental impacts of raw material extraction, nor are they meant to assess human health toxicity. EPDs can complement but cannot replace tools and certifications that are designed to address these impacts and/or set performance thresholds – e.g. Type 1 certifications, health assessments and declarations, environmental impact assessments, etc.

Accuracy of Results: EPDs regularly rely on estimations of impacts; the level of accuracy in estimation of effect differs for any particular product line and reported impact.

Comparability: EPDs from different programs may not be comparable. Full conformance with a PCR allows EPD comparability only when all stages of a life cycle have been considered. However, variations and deviations are possible. Example of variations: Different LCA software and background LCI datasets may lead to differences results for upstream or downstream of the life cycle stages declared.

Product Definition and Information

Description of Organization

The Aluminum Association represents aluminum production and jobs in the United States, ranging from primary production to value added products to recycling, as well as suppliers to the industry. The association is the industry's leading voice, representing companies that make 70% of the aluminum and aluminum products shipped in North America.

Based in the Washington, D.C. area, the association is the U.S. industry's leading voice — developing global standards, business intelligence, sustainability research and industry expertise for member companies, policymakers and the general public (AA, 2022).

Product Description

Product Identification

This EPD covers the production of semi-fabricated and surface-finished aluminum extrusion products. The results represent an average across all extruded aluminum products manufactured in North America (United States and Canada). Averages are obtained through aggregating production-weighted data from the participating member companies.

Product Specification

Name	Value	Unit
Density	2.66-2.84	(kg/m ³) x 10 ³
Melting point (Typical)	475-655	°C
Electrical conductivity (Typical) at 20°C/at 68°F	Equal Volume:16-36	MS/m (0.58*%IACS)
Thermal conductivity (Typical) at 25°C/at 77°F	113-234	W/(m.K)
Average Coefficient of thermal expansion (Typical) 20° to 100°C /68° to 212°F	22.3-23.9	per °C
Modulus of elasticity (Typical)	69-73	MPa * 10 ³

Product Average

This EPD covers the production of extruded aluminum from Aluminum Association participating companies. The list of participating members is available in the full report produced by the Aluminum Association in January 2022 (AA, 2022).

Application

Extruded aluminum is used in a variety of market sectors, including the following:

- Transportation: automobile structures and components, truck and trailer structures and components, train structure and components, aircraft structure and components, etc.
- Building, construction and infrastructure: building windows, doors, curtain walls, facades, skylights, green houses, roof structures, furniture and decorations, solar device frames and structures, structure and components of

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bridges and stadiums, etc.

- Consumer durables: components of consumer durable goods, such as computers, home appliances, and recreation devices and utilities.

Technical Requirements

ASTM B221-13/B221M-13 Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes

ASTM B241/B241M-12e1 Standard Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube

ASTM B317/B317M-07 Standard Specification for Aluminum-Alloy Extruded Bar, Rod, Tube, Pipe, Structural Profiles, and Profiles for Electrical Purposes (Bus Conductor)

ASTM B345/B345M-11 Standard Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube for Gas and Oil Transmission and Distribution Piping Systems

ASTM B429/B429M-10e1 Standard Specification for Aluminum-Alloy Extruded Structural Pipe and Tube

ASTM B491/B491M-06 Standard Specification for Aluminum and Aluminum-Alloy Extruded Round Tubes for General-Purpose Applications

Properties of Declared Product as Delivered

The output of the extrusion process is a semi-fabricated and surface finished extrusion product transported to a component or final product manufacturer.

Material Composition

Extruded aluminum products made in North America contain a considerable proportion of metal recycled from aluminum scrap. The metal composition of products, based on metal feedstock information collected at the melting furnaces for extrusion billet making, is shown below. Products shipped to different market sectors may vary significantly on its metal compositions.

Recovered aluminum from internal process (run-around) scrap is considered as a repeated closed-loop manufacturing process and therefore is excluded from metal composition declaration. Definitions of Internal Process (Run-Around) Scrap, Post-Industrial Scrap and Post-Consumer Scrap are consistent with ISO 14021/25 (2006) on environmental labels and declarations, and the related interpretations by UL Environment.

Extruded aluminum products may include various types of coatings, including anodized, painted, and laquered finishes. All coating materials are included in inventory, based on averages across the industry.

Table 1 A6063 Aluminum Alloy Chemical Composition (% by mass) as per Teal Sheet

	Si	Cu	Mn	Mg	Cr	Zn	Ti	Others (each)	Others (total)	Aluminum
Minimum	-	-	-	0.45	-	-	-	-	-	remainder
Maximum	0.35	0.10	0.10	0.90	0.10	0.10	0.10	0.05	0.15	remainder



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Category of Metal Source	Percentage (by mass)
Primary Aluminum (including alloy agents)	40%
Recovered Aluminum from Other Post-Industrial Scrap	31%
Recovered Metal from Post-Consumer Scrap	29%

Table 2 Primary and Recycled Material Composition

Manufacturing

The extrusion process takes cast extrusion billet (round bar stock produced from direct chill molds) and produces extruded shapes. The process begins with an inline preheat that takes the temperature of the billet to a predetermined level depending on the alloy. The billet is then sheared if not already cut to length and deposited into a hydraulic press. The press squeezes the semi-plastic billet through a heated steel die that forms the shape. The shape is extruded into lengths defined by the take-off tables and is either water quenched or air cooled. The shape is then clamped and stretched to form a solid straightened length. The straighten lengths are cut to final length multiples and may be placed in an aging furnace to achieve a desired temper. Lengths are then finished (drilled and shaped) and placed into a coating process. The types of coatings include anodized, painted, and lacquered finishes.

The overall manufacturing process is illustrated in the below diagram.

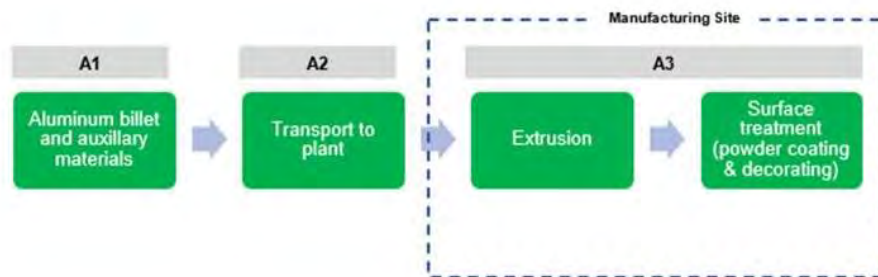


Figure 1 Manufacturing process for semi-fabricated aluminum products

Packaging

Product delivery packaging includes wood, steel, paper board, and sometimes plastic wraps. Packaging is included in the scope of this EPD.

Transportation

Supply chain material transportation is included in the various stages of raw material production and scrap collection processes. In addition a transportation distance of 100 km (62 miles) by truck has been added for the transportation of the semi-fabricated products and for the transportation of waste to end-of-life.

Product Installation

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Installation is outside of the scope of this EPD.

Use

No special conditions of use are relevant for this product under the scope of this EPD.

Reference Service Life and Estimated Building Service Life

Service lives for aluminum extrusions vary based on the application. This EPD does not cover the product use phase and therefore makes no specific claim as to a typical reference service life.

Recycling and Disposal

Aluminum is a highly recyclable material. During manufacturing, most process and new scrap are fed back into the production process. At the end of life, aluminum scrap is collected and sold to both secondary smelting and semi-fabrication companies. The recycling rate for aluminum scrap is assumed to be 95%. Recycling over 95% is typical for aluminum products in high volume automotive and construction market sectors (IAI, 2013).

It is assumed that 5% of the extruded aluminum products are sent to the landfill for disposal at the end of life. The European Waste Code for aluminum is 17 04 02.

Table 3 Recycling and disposal

Name	Unit
Deconstruction	--
Transportation to the disposal site	100 km by truck
Waste processing	--
Disposal to landfill	5%
Recycling rate of the product	95%
Removals of biogenic carbon	N/A

Life Cycle Assessment Background Information

Declared Unit

The declared unit is the production and end-of-life treatment of one metric ton of extruded aluminum product. The results can be converted to one kilogram by dividing by 1000.

Table 4 Declared Unit

Name	Value	Unit
Declared unit	1	metric ton
Density (typical)	2700	kg/m ³

System Boundary

Per the PCR (UL Environment, 2022), this cradle-to-gate with options analysis provides information on the Product Stage of the aluminum product life cycle, including modules A1–A3, C1–C4 and D:

- A1 The provision of resources, additives and energy
- A2 Transport of resources and additives to the production site
- A3 Production process on site, including energy, production of additives, disposal of production residues, consideration of related emissions and recycling of production scrap (“closed loop”)
- C1 Deconstruction
- C2 Transport to the disposal site
- C3 Waste processing
- C4 Disposal at the end of the life cycle, i.e., during building deconstruction
- D Net benefits resulting from reuse, recycling and energy recovery that take place beyond the system boundary.

Table 5 below represents the system boundary and scope.

Table 5 System boundary modules included and excluded from the study

	PRODUCT STAGE			CONSTRUCT- ION PROCESS STAGE		USE STAGE							END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE SYSTEM BOUNDARY
	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
	Raw material supply	Transport	Manufacturing	Transport from gate to site	Assembly/Install	Use	Maintenance	Repair	Replacement	Refurbishment	Building Operational Energy Use During Product Use	Building Operational Water Use During Product Use	Deconstruction	Transport	Waste processing	Disposal	Reuse, Recovery, Recycling Potential
EPD Type	X	X	X	MND	MND	MND	MND	MND	MND	MND	MND	MND	X	X	X	X	X

* X = module included, MND = module not declared

It should be noted here that, C1 and C3 are to be reported as zero as they are assumed to fall below the cut-off criteria defined by ISO 21930. C2 is assumed as 100 km by truck. Materials for recycling (95%) for aluminum is reported in C4 module.

Time coverage: Aluminum Association primary data represent production within calendar year 2016. Refer to the 2022 Semi-fab LCA report for more information on temporal coverage (AA, 2022). Background data for upstream and downstream processes (i.e., raw materials, energy resources, transportation, and ancillary materials) were obtained from the GaBi 10 (CUP 2020.1) databases.

Technology coverage: Data were collected for the production of aluminum extrusions at several Aluminum Association



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members facilities located in Canada and the United States.

Geographical coverage: Aluminum Association members manufacture aluminum extrusion products throughout North America. As such, the geographical coverage for this study is based on North American system boundaries for all processes and products. Whenever Canadian or U.S. background data were not readily available, European data or global data were used as proxies.

Interpreting the Results in Module D

The values in Module D include a recognition of the benefits or impacts related to aluminum recycling which occur at the end of the product's service life. The rate of aluminum recycling and related processes will evolve over time. The results included in Module D attempt to capture future benefits, or impacts, but are based on a methodology that uses current industry-average data reflecting current processes.

A net scrap approach was taken to capture the benefits and impacts related to aluminum recycling reported in Module D. The following datasets in Table 6 were used to calculate the associated net recycling credit:

Table 6 Background datasets used for Module D

Background datasets (Sphera, 2021)	Reference year
RNA: Secondary aluminum ingot (95% recycled content) AA	2016
RNA: Primary aluminum ingot AA	2016

Estimates and Assumptions

The LCA required only limited use of estimates and assumptions. The most relevant estimation/assumption is the end-of-life recycling rate of 95%, which is discussed in the Recycling Phase section. All of the raw materials and energy inputs have been modeled using processes and flows that closely follow actual production data on raw materials and processes. All reported material and energy flows have been accounted for. Proxy data were applied to some materials where no matching life cycle inventories were available, as documented in the background report. Other estimates and assumptions are discussed in detail in the LCA background report.

Cut-off Criteria

In the case of data gaps for unit processes, the cut-off criteria as defined by ISO 21930 were applied. All available energy and material flow data have been included in the model. In cases where no matching life cycle inventories are available to represent a flow, proxy data have been applied based on conservative assumptions regarding environmental impacts.

Data Sources

In order to model the life cycle for the production of aluminum extrusion, the GaBi 10 software system developed by Sphera was used. All relevant background data necessary for the production of aluminum extrusion were taken from the GaBi 2020 databases or were made available by the Aluminum Association through industry survey results. Companies participating in the project, either with AA or IAI, are provided in the Participating Companies section.

Primary aluminum used in North America is sourced domestically and from other geographic regions, for which carbon



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intensity information is shared in the below Table 7:

Table 7 Data sources, origin and carbon intensity for primary aluminum

Dataset	Geographic origin	Electricity sources (IAI, 2017)	Carbon intensity (kg CO ₂ eq/kWh)
RNA: Primary aluminum ingot	Domestic (North America)	Hydro (80%), lignite (17%), natural gas (3%), nuclear and fuel oil: <1%	0.214
RLA: Aluminum ingot mix IAI 2015	Argentina	Hydro (64%), natural gas (35%), coal <1%	0.393
RME: Aluminum ingot mix IAI 2015	Bahrain	Natural gas (100%)	0.45
RLA: Aluminum ingot mix IAI 2015	Brazil	Hydro (64%), natural gas (35%), coal <1%	0.393
RU: Aluminum ingot mix IAI 2015	Russia	Hydro (98%), coal (2%)	0.0421
RME: Aluminum ingot mix IAI 2015	United Arab Emirates	Natural gas (100%)	0.45
RLA: Aluminum ingot mix IAI 2015	Venezuela	Hydro (64%), natural gas (35%), coal <1%	0.393
GLO: Aluminum ingot mix IAI 2015	Rest of the World	Hydro (25%), coal (64%), natural gas (10%), nuclear (1%), oil <1%	0.778

Data Quality

The data is considered of high quality. Inventory data quality is judged by its precision (measured, calculated or estimated), completeness (e.g., unreported emissions), consistency (degree of uniformity of the methodology applied on a study serving as a data source) and representativeness (geographical, temporal, and technological). To cover these requirements and to ensure reliable results, first-hand industry data in combination with consistent background life cycle inventories from the GaBi 2021 database were used.

The LCA model was created using the GaBi 10 software system for life cycle engineering, developed by Sphera (Sphera, 2021). Background life cycle inventory data for raw materials and processes were obtained from the GaBi 2020 database (CUP 2020.1). Primary manufacturing data were provided by the Aluminum Association.

Period under Review

Primary data were collected for bauxite mining, alumina refining, and primary aluminum production was collected by the International Aluminum Institute (IAI) and provided to the Aluminum Association (AA). Primary data for recycling, billet production and extrusion and finishing is collected by the Aluminum Association. Primary data collected from the participating companies and from their operational activities is representative for the year of 2016. This analysis is intended to represent production in 2016-2021.

Allocation

Internal recycling of by-products (e.g., salt cake, dross) is included within the system boundary. Note that co-product allocation may also be used in background data from the GaBi database (e.g., caustic acid).

The “net scrap” substitution approach is used to address recycled content, post-industrial scrap, and post-consumer scrap. Under this approach, the end-of-life scrap collected for recycling is first reduced by the scrap inputs into production. Only the remaining *net scrap* is then modeled as being sent to material recycling in order to avoid double-counting the benefits of using recycled content. If more scrap is recovered at product end-of-life than is required in the manufacturing stage, the product system receives a credit equal to the burden of primary material production minus the burden of recycling scrap into secondary material based on the mass of secondary material produced. If less scrap



is recovered at product end-of-life than is required in the manufacturing stage, this net credit becomes a net burden.

Comparability (Optional)

A comparison or an evaluation of EPD data is only possible if all the data sets to be compared were created according to ISO 21930 and the building context, respectively the product-specific characteristics of performance are taken into account.

Life Cycle Assessment Results

The results from the Aluminum Association extrusions are given below. While interpreting the Module D results one should consider that, the values in Module D include a recognition of the benefits or impacts related to aluminum recycling which occur at the end of the product's service life. The rate of aluminum recycling and related processes will evolve over time. The results included in Module D attempt to capture future benefits, or impacts, but are based on a methodology that uses current industry-average data reflecting current processes.

GWP excludes biogenic carbon as there are no relevant biogenic carbon removals or emissions in the life cycle. There is no calcination, carbonation and combustion of waste from non-renewable sources.

Life Cycle Impact Assessment Results

Table 8. North American Impact Assessment Results

TRACI v2.1	UNIT	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP	[kg CO ₂ eq]	6.08E+03	-	9.90E+00	-	2.17E+00	-3.39E+03
ODP	[kg CFC-11 eq]	3.48E-07	-	1.05E-15	-	7.02E-15	2.55E-13
AP	[kg SO ₂ eq]	2.31E+01	-	2.85E-02	-	9.49E-03	-1.60E+01
EP	[kg PO ₄ ³⁻ eq]	6.36E-01	-	3.36E-03	-	5.35E-04	-3.56E-01
SFP	[kg O ₃ eq]	2.22E+02	-	6.40E-01	-	1.67E-01	-1.32E+02
ADP _{fossil}	[MJ, LHV]	6.51E+03	-	1.86E+01	-	4.25E+00	-2.28E+03

Table 9. EU Impact Assessment Results

CML v4.2	UNIT	A1-A3	C1	C2	C3	C4	D
GWP 100	[kg CO ₂ eq]	6.06E+03	-	9.88E+00	-	2.16E+00	-3.38E+03
ODP	[kg CFC-11 eq]	3.01E-07	-	1.05E-15	-	7.02E-15	-1.15E-12
AP	[kg SO ₂ eq]	2.43E+01	-	2.12E-02	-	8.75E-03	-1.73E+01
EP	[kg PO ₄ ³⁻ eq]	1.67E+00	-	6.49E-03	-	1.17E-03	-1.04E+00
POCP	[kg ethene eq]	1.32E+00	-	-7.13E-03	-	7.64E-05	-8.55E-01
ADP _{fossil}	[MJ]	6.70E+04	-	1.39E+02	-	3.27E+01	-3.08E+04
ADP _{element}	[kg Sb eq]	2.41E-03	-	1.79E-06	-	8.18E-07	-1.27E-03

ENVIRONMENTAL PRODUCT DECLARATION



Extruded Aluminum
Aluminum Construction Product

According to ISO 14025 and ISO 21930:2017

Life Cycle Inventory Results

Table 10. Resource Use

PARAMETER	UNIT	A1-A3	C1	C2	C3	C4	D
RPR _E	[MJ, LHV]	3.04E+04	-	5.82E+00	-	2.71E+00	-2.22E+04
RPR _M	[MJ, LHV]	-	-	-	-	-	-
RPR _T	[MJ, LHV]	3.04E+04	-	5.82E+00	-	2.71E+00	-2.22E+04
NRPR _E	[MJ, LHV]	6.98E+04	-	1.40E+02	-	3.35E+01	-3.13E+04
NRPR _M	[MJ, LHV]	1.20E+02	-	-	-	-	-6.33E+01
NRPR _T	[MJ, LHV]	-	-	-	-	-	-
SM	[kg]	8.79E+02	-	-	-	-	4.26E+02
RSF	[MJ, LHV]	-	-	-	-	-	-
NRSF	[MJ, LHV]	-	-	-	-	-	-
RE	[MJ, LHV]	-	-	-	-	-	-
FW	[m ³]	6.95E+03	-	2.55E+01	-	4.43E+00	-3.04E+03

Table 11. Output Flows and Waste Categories

PARAMETER	UNIT	A1-A3	C1	C2	C3	C4	D
HWD	[kg]	7.34E-04	-	2.40E-06	-	2.24E-07	-1.90E-05
NHWD	[kg]	1.34E+03	-	-	-	5.00E+01	-1.01E+03
HLRW	[kg]	1.39E-03	-	3.05E-07	-	3.30E-07	-2.68E-04
ILLRW	[kg]	3.75E-02	-	8.16E-06	-	8.70E-06	-6.79E-03
CRU	[kg]	-	-	-	-	-	-
MFR	[kg]	2.50E+02	-	-	9.50E+02	-	-2.32E+00
MER	[kg]	1.00E+01	-	-	-	-	-5.86E+00
EE	[MJ]	-	-	-	-	-	-

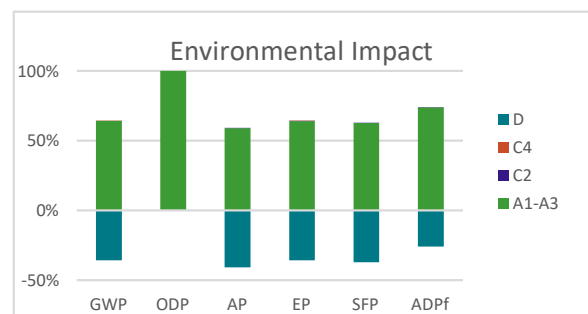
LCA Interpretation

The results represent the cradle-to-gate and end-of-life environmental performance of a metric ton of extruded aluminum. The majority of the environmental impacts are from the production of the aluminum, however the credits from recycling the aluminum at end-of-life (module D) help to offset the initial burden.

Therefore, there is a strong push in the aluminum industry to maximize aluminum recycling rates and close material loops.

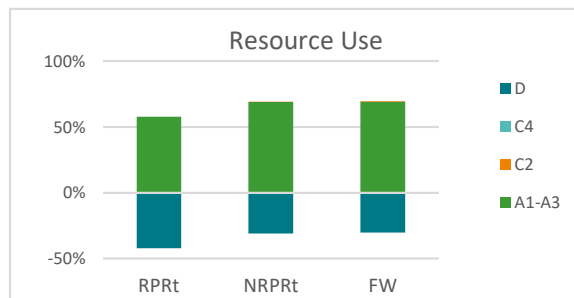
As with any metal, the recycling rate has a significant impact on the life cycle environmental performance of extruded aluminum.

A 95% recycling rate is assumed. Aluminum is an ideal material for recycling because the metal can be recycled over



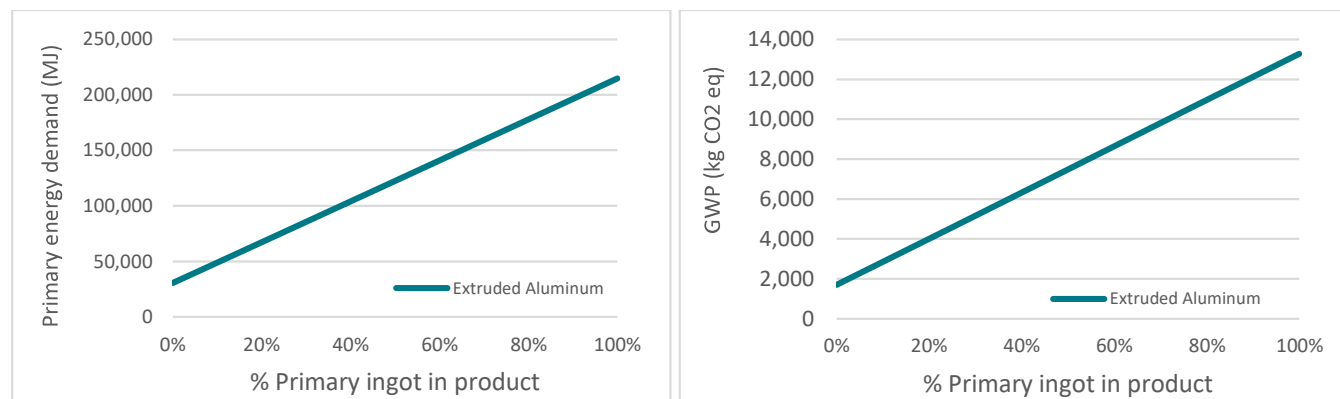
and over again without any loss in quality (IAI, 2013).

Finally, it is interesting to note that the landfilling of extruded aluminum in C4 has a negative use of net fresh water (FW). This is due to the landfill collecting rain water and introducing it into the watershed as landfill leachate, following the blue water calculation methodology.



Sensitivity Analysis

A sensitivity analysis has been conducted to examine the impact of increasing primary aluminum content in semi-finished products. Given the significant influence of primary aluminum on the cradle-to-gate footprint, one way to address it is to reduce the use of primary aluminum and increase the use of recycled metal. As shown below, a one percent increase in primary aluminum content in the products will increase the cradle-to-gate primary energy demand and global warming potential by as much as 1856 MJ and 117 kg CO₂e, respectively, for 1,000 kg semi-finished products. This is equal to say that a one percentage point increase in recycled aluminum content will reduce the energy demand and carbon footprint by the same amount.



Scenario Analysis

To see the effect of primary aluminum sourcing, a scenario analysis was conducted to alternate the sourcing from different regions or countries other than the baseline case of the North American consumption mix. The metal compositions – shares of primary and recycled metal in the products, are kept unchanged for the scenario analysis. Both figures below show the effects of primary aluminum sourcing on cradle-to-gate primary energy demand and global warming potential, respectively. The regions and countries included in the scenario analysis are:

- RNA represents the weighted average of primary aluminum consumption mix in North America, which is the baseline case;
- CA represents Canada where primary aluminum is exclusively smelted with hydropower electricity;
- CN represents China where primary aluminum is mainly smelted with coal-fired electricity;
- RME represents the Middle East where primary aluminum is mainly smelted with natural gas fired electricity.

Clearly, the scale of difference is dependent both on impact category (e.g., PED or GWP) and on how much primary aluminum content is in the products. The more primary aluminum is in the product, the more striking the difference between hydropower smelted aluminum and coal-power smelted aluminum. The difference is more prominent for GWP

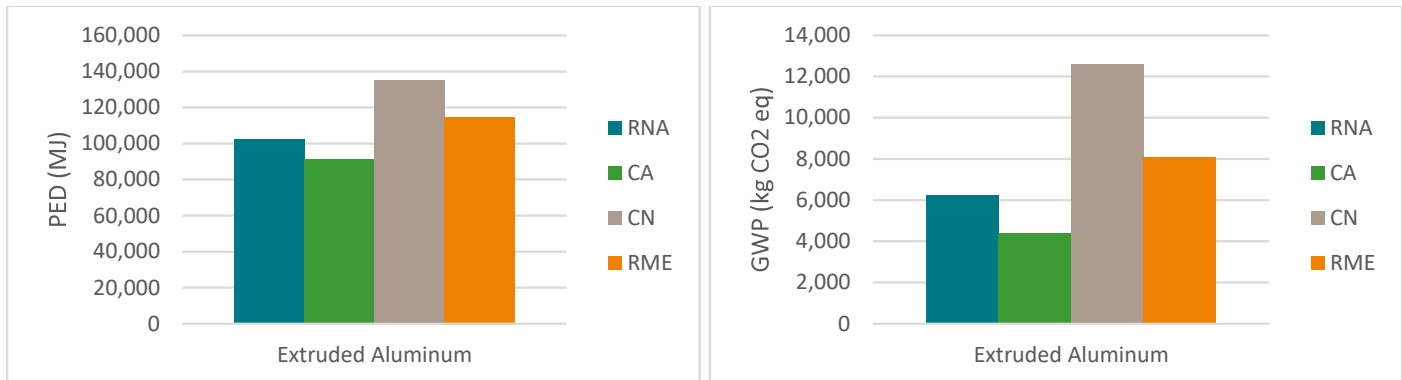
ENVIRONMENTAL PRODUCT DECLARATION



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than it is for PED. The cradle-to-gate carbon footprint of aluminum sheet made of Chinese primary aluminum would be 3.2 times higher than it is made of Canadian primary aluminum under the same share of primary and recycled content as the baseline case.



For additional sensitivity and scenario analysis information for the above products, please refer to the report (Aluminum Association, 2022).

Additional Environmental Information

Environment and Health During Manufacturing

Air: Hazardous air emission releases comply with regulatory thresholds.

Water/soil: Pollutants in wastewater discharge comply with regulatory thresholds.

Noise: Due to adequate acoustical absorption and mitigation devices, measurements of sound levels have shown that all values inside and outside the production plant comply with regulatory thresholds.

Environment and Health During Use

The environmental and health effects during use are dependent on the ultimate use of the extruded aluminum and are outside the scope of this EPD. The following general statements are relevant for all aluminum products:

- Aluminum products are often made from both primary and recycled ingots
- There is no relevant chemical composition difference between primary and secondary ingots if both are governed by the same alloy designation and chemical composition limit standards
- The service life of the final product depends on its application, but is typically long due to aluminum's excellent durability and corrosion resistance
- For that same reason, maintenance needs during use are usually low.

Extraordinary Effects

Fire: Aluminum products comply with ASTM E 136-11.

Water: There is no evidence to suggest water runoff or exposure under normal and intended operation will violate



general water quality standards.

Mechanical destruction: Not relevant for aluminum.

References

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Aluminum Construction Product



According to ISO 14025 and ISO 21930:2017

Contact Information

Study Commissioner



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Arlington, VA 22202
www.aluminum.org

LCA Practitioner



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Chicago, IL 60601
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www.sphera.com



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Participating Companies

NO.	COMPANY	NOTE
1	Alcoa Corporation	Primary aluminum
2	Arconic Corporation	Recycling, sheet, extrusion
3	Century Aluminum	Primary aluminum
4	Commonwealth Rolled Products	Formally Aleris International, recycling, sheet
5	Constellium	Recycling, sheet, extrusion
6	Howmet	Formally part of Arconic, recycling, sheet, extrusion
7	Hydro Extrusions North America	Recycling, extrusion
8	Hydro Metals North America	Recycling, extrusion billet
9	Jupiter Aluminum	Recycling, sheet
10	JW Aluminum	Recycling, sheet, foil
11	Kaiser Aluminum	Recycling, sheet, extrusion
12	Keymark	Recycling, extrusion
13	Novelis Inc.	Recycling, sheet, foil
14	Real Alloys	Recycling, RSI
15	Rio Tinto	Primary aluminum
16	Reynolds	Foil
17	Scepter Inc.	Recycling, RSI
18	Skana	Recycling, sheet
19	Smelter Service Corporation	Recycling, RSI
20	United Aluminum	Recycling, sheet



HPD UNIQUE IDENTIFIER: 202197910528
HPD UNIQUE PRODUCT ID: Not provided.
CLASSIFICATION: 07 42 00 Wall Panels
PRODUCT DESCRIPTION: The complete aluminum trim system for fiber cement, engineered wood, and vinyl siding on single-family homes, multi-family developments, and commercial buildings. EasyTrim is compatible with almost every panel or lap product of all sizes and thicknesses, including: 5/16", 7/16", 3/4", 1", 1-1/4".

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Residuals/Impurities Evaluation	For all contents above the threshold, the manufacturer has:
→ Basic Method	→ Completed	
Threshold Disclosed Per	Explanation(s) provided :	Characterized
→ Product	Yes	Provided weight and role.
Threshold Level		Screened
→ 100 ppm		Provided screening results using HPDC-approved methods.
		Identified
		Provided name and CAS RN or other identifier.

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.	Number of Greenscreen BM-4/BM3 contents ... 0
PRODUCT MATERIAL OR SUBSTANCE RESIDUAL OR IMPURITY	Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1
GREENSCREEN SCORE HAZARD TYPE	Nanomaterial ... No
EASYTRIM SYSTEMS [ALUMINUM LT-P1] END MAM PHY	INVENTORY AND SCREENING NOTES:
MANGANESE LT-P1] END MUL REP MAM AQU	Residuals/impurities in select raw materials are quantitatively measured, and are displayed in the HPD when greater than 100ppm.
MAGNESIUM LT-UNK PHY MAM SKI EYE	
CHROMIUM LT-P1] END SKI MAM REP RES]	

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.	COMPLIANCE See Section 3 for additional listings.
	VOC emissions: Inherently non-emitting source per LEED
	LCA: Environmental Product Declaration (EPD) by UL
	CONSISTENCY WITH OTHER PROGRAMS
	Pre-checked for LEED v4 Option 1.
	Pre-checked for LEED v4.1 Option 1.

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 3.0, available on the HPDC website at: www.hpd-collaborative.org/hpd-3-0-standard

EASYTRIM SYSTEMS

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals/Impurities in raw materials are quantitatively measured and are displayed in the HPD when greater than or equal to 100 ppm.

OTHER PRODUCT NOTES: For more information on EasyTrim Systems visit:
<https://easytrimreveals.com/>

ALUMINUM				ID: 7429-90-5	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-11-12 12:43:23		
%: 95.0000 - 100.0000	GreenScreen: LT-P1	RC: PostC	NANO: No	SUBSTANCE ROLE: Alloy element	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
MAM	GHS - Japan		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]		
MAM	GHS - Japan		H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]		
PHY	GHS - Japan		H261 - In contact with water releases flammable gas [Substances and mixtures, which in contact with water, emit flammable gases - Category 2]		
PHY	GHS - Malaysia		H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]		
PHY	GHS - Australia		H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]		
PHY	GHS - New Zealand		Pyrophoric solids category 1		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)		C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025		
			Children's Toy Products		

SUBSTANCE NOTES: Category of Metal Source Percentage (by mass)
Primary Metal (including alloying agents) 45.8%
Recovered Aluminum from Post-Industrial (Pre-Consumer) Scrap 40.6%
Recovered Aluminum from Post-Consumer Scrap 13.6%

MANGANESE

ID: 7439-96-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-11-12 12:43:23**

%: **0.0000 - 1.6000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REP	GHS - Japan	H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 3
AQU	GHS - Japan	H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]
AQU	GHS - Japan	H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Children's Toy Products

SUBSTANCE NOTES:

MAGNESIUM

ID: 7439-95-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-11-12 12:43:23**

%: **0.0000 - 1.2000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
PHY	GHS - Australia	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
PHY	GHS - Australia	H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1]
EYE	GHS - Japan	H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES:		

CHROMIUM

ID: 7440-47-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-11-12 12:43:24	
%: 0.0000 - 0.3000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor	
SKI	MAK		Sensitizing Substance Sh - Danger of skin sensitization	
MAM	GHS - Japan		H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]	
REP	GHS - New Zealand		Reproductive toxicity category 2	
RES	GHS - Japan		H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1A]	

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025
		Children's Toy Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025
		Cosmetics and Personal Care Products
SUBSTANCE NOTES:		

Section 3: Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS	Inherently non-emitting source per LEED	
COMPLIANCE TYPE: Self-declared	ISSUE DATE: 2022-10-17	EXPIRY DATE: 2027-10-17
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: None		
COMPLIANCE DETAILS:		
COMPLIANCE SCOPE:		
APPLICABLE FACILITIES: None		
COMPLIANCE URL: https://engagebp.com/		
COMPLIANCE NOTES:		

LCA	Environmental Product Declaration (EPD) by UL	
COMPLIANCE TYPE: Third Party	ISSUE DATE: 2016-10-16	EXPIRY DATE: 2027-09-27
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: UL		
COMPLIANCE DETAILS:		
COMPLIANCE SCOPE:		
APPLICABLE FACILITIES: All		
COMPLIANCE URL:		
https://cdn.ymaws.com/www.aec.org/resource/resmgr/sustainability/epd/11-2022/102.1-thermally-improved.pdf		
COMPLIANCE NOTES:		

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

Section 5: General Notes

This HPD is provided solely for the intended recipient in connection with its assessment of products and for no other purpose. In providing information, Engage Building Products expresses no opinion and makes no representations as to the applicability, suitability, accuracy or completeness of the declaration form, or the standards, rules, classifications, warnings or criteria utilized or referenced therein. Information provided herein is qualified in the entirety by reference to the applicable product Material Safety Data Sheet (MSDS) which can be located at: <https://easytrimreveals.com/installation-resources/>



MANUFACTURER INFORMATION

MANUFACTURER: **Engage Building Products**
 ADDRESS: **4441 76 Ave SE #101**
Calgary, Alberta T2C 2G8
 COUNTRY: **Canada**

WEBSITE: **www.engagebp.com**
 CONTACT NAME: **Tracy Kelley**
 TITLE: **Architectural Support Manager**
 PHONE: **(877) 973-8746**
 EMAIL: **Tracy.Kelley@engagebp.com**

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Inventory Methods:

Nested Method / Material Threshold	Substances listed within each material per threshold indicated per material
Nested Method / Product Threshold	Substances listed within each material per threshold indicated per product
Basic Method / Product Threshold	Substances listed individually per threshold indicated per product

Nano	Composed of nano scale particles or nanotechnology
Third Party Verified	Verification by independent certifier approved by HPDC
Preparer	Third party preparer, if not self-prepared by manufacturer
Applicable facilities	Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,*
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.*

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.



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