



Expansion & Movement Joint Profiles - Style 1 (EJ1)

DS-65413-0425

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

Expansion & Movement Joint Profiles - Style 1 (EJ1)

2. MANUFACTURER



Made in Germany for;

LATICRETE Middle East LLC.

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United Arab Emirates

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3. PRODUCT DESCRIPTION

Expansion & Movement Joint Profiles - Style 1 (EJ1) are used to accommodate up to 5/64" (2mm) of movement within a large field of tile when installing using the thin bed method. For abutting tiles, they also provide edge protection against chipping and cracking of the unfinished tile edge. Available in Aluminum and Stainless Steel and a variety of EPDM infill colors. Suitable for residential and commercial projects, they can be used indoors and outdoors as an alternative to caulking.

Uses

- Expansion & Movement Joint Applications

Advantages

- Accommodates movement and reduces stress
- Creates a clean, professional appearance
- Protect the tile from chipping and cracking
- Alternative to caulking

Suitable Substrates

- LATICRETE Profiles & Trims are compatible with LATICRETE Adhesive & Mortar products (Refer to the applicable adhesive and mortar data sheet for complete installation instructions and suitable substrates.)

Limitations

- Areas subject to high chemical exposure such as swimming pools, commercial kitchens, etc. require the use of Stainless Steel 316.
- Normal wear and tear of profiles after installation is expected. As such, scratches, dents, corrosion, and/or discoloration resulting from typical use are not considered product defects.
- Stainless steel profiles are not impervious to all chemicals. Avoid contact with hydrochloric acid and hydrofluoric acid.
- Be careful of cross-contamination when cutting and avoid the use of unalloyed steel tools.

Cautions

- Follow all tool manufacturer's directions, warning, and safety procedures when cutting and/or trimming profiles
- Cut edges may be sharp. Use caution when handling profiles.

4. TECHNICAL DATA

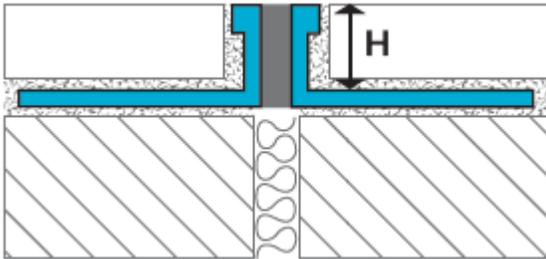
Applicable Standard

Aluminum 6060 in accordance with DIN EN 755-1 (extruded Aluminum)

Stainless Steel 304 (V2A) Material number: 1.4301

Stainless Steel 316L (V4A) Material number: 1.4404

Physical Properties



Aluminum with EPDM Infill

Property	Specification
Visible Width	3/8" (10 mm)
Height	1/8" - 1-3/16" (3 mm - 30 mm)
Length	8'-2.5" (2.5 m)
Nominal Thickness	1/16" (1.5 mm)

Available Infill Colors

- BLK - Black
- GRE - Grey
- LBE - Light Beige
- CEG - Cement Grey
- MHG - Manhattan Grey
- RAV - Raven
- STG - Stone Grey
- ALM - Almond
- SPE - Sand Pebble

Stainless Steel

Property	Specification
Visible Width (Sizes 1/8" - 9/16")	5/16" (8 mm)
Visible Width (Sizes 23/32" - 1-3/16")	11/32" (9 mm)
Height	1/8" - 1-3/16" (3 mm - 30 mm)
Length	8'-2.5" (2.5 m)
Nominal Thickness	1/16" (1.5 mm)

Available Infill Colors

- BLK - Black
- GRE - Grey
- LBE - Light Beige
- CEG - Cement Grey
- MHG - Manhattan Grey
- RAV - Raven
- STG - Stone Grey
- ALM - Almond
- SPE - Sand Pebble

Working Properties

Aluminum with EPDM Infill

Property	Specification
Movement Accommodation	5/64" [+/- 1/32"] (2 mm [+/- 1 mm])
Operating Temperature	-40°F - 212°F (-40°C to 100°C)

Stainless Steel with EPDM Infill

Property	Specification
Movement Accommodation	5/64" [+/- 1/32"] (2 mm [+/- 1 mm])
Operating Temperature	-40°F - 212°F (-40°C to 100°C)

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

5. INSTALLATION

Selecting the Correct Size Profile

Careful selection of the profile size is critical to ensuring the functionality and appearance of the final installation. Profiles should be selected based on the size of the accompanying tile. Use a profile equal in height or slightly larger than the tile thickness to allow for the profile and tile to sit flush relative to one another when fully installed. Allow for additional space for adhesive when used in combination with large and heavy format tiles.

Cutting Aluminum Profiles

Always refer to the cutting tool manufacturer's instructions, cautions, and requirements prior to cutting profiles. Use appropriate safety equipment and personal protective equipment (PPE) as instructed by the manufacturer of the cutting tool.

Prior to installing the tile, make sure the profiles, corners, and connectors are accurately measured and dry-fitted. Measure and mark the profile to the correct length before cutting. Aluminum profiles may be cut with any of the following tools:

- A miter box and hacksaw with a bimetal blade and the highest teeth per inch (TPI)
- A variable speed angle grinder set to the lowest speed and equipped with a suitable non-ferrous cutting wheel.
- A chop saw or miter saw with a suitable non-ferrous blade.

Once cut, inspect the cut end and use a file to remove any burrs that may have formed during the cutting process. If necessary, the mounting leg may be trimmed using metal or tin snips to avoid interference or overlapping of adjacent profile pieces.

Cutting Stainless Steel Profiles

Always refer to the cutting tool manufacturer's instructions, cautions, and requirements prior to cutting profiles. Use appropriate safety equipment and personal protective equipment (PPE) as instructed by the manufacturer of the cutting tool.

Prior to installing the tile, make sure the profiles, corners, and connectors are accurately measured and dry-fitted. Measure and mark the profile to the correct length before cutting. Stainless Steel profiles may be cut with any of the following tools:

- A variable speed angle grinder set to the lowest speed and equipped with a suitable non-ferrous cutting wheel.
- A band saw with a suitable non-ferrous blade.

Once cut, inspect the cut end and use a file to remove any burrs that may have formed during the cutting process. If necessary, the mounting leg may be trimmed using metal or tin snips to avoid interference or overlapping of adjacent profile pieces. Use tools dedicated to stainless steel cutting and take care to avoid cross-contamination.

Installing Profiles

Apply tile adhesive with a margin or notched trowel to the area where the profile will be installed. Firmly press the profile into the adhesive, allowing the adhesive to flow through octagonal cutouts in the mounting leg. Adjust and straighten the profile if necessary.

Using an appropriate notched trowel and adhesive for the tile to be installed, add more adhesive over the mounting leg and surface fully embedding the mounting leg of the profile. Press the tile firmly into the adhesive to achieve full coverage, ensuring the profile and tile are aligned and flush. Leave a 1/16" to 1/8" gap between the profile and tile for grouting. Continue tiling the rest of the area.

Immediately after installing the profiles and tile, clean the surface of the profile to remove any residual adhesive or cement material with clean fresh water and a sponge or microfiber cloth. Aluminum is sensitive to alkaline materials and failure to clean the profile surface can lead to staining or discoloration (oxidation spots) which can be very difficult to remove.

6. AVAILABILITY AND COST

Availability

LATICRETE® materials are available worldwide.

For distributor information, please contact us by email at: enquiry@laticrete.me or visit www.laticrete.me

Cost

Contact a LATICRETE® closer distributor to obtain complete information and cost.

7. WARRANTY

The supplier warrants this product will not deteriorate under normal conditions and use, the warranty validity of one (1) year. The product subject to the terms and conditions stated in the LATICRETE® Product Warranty. Please consult our technical support for further information.

8. MAINTENANCE

Aluminum and Stainless Steel profiles require no special maintenance or care but should be periodically cleaned to maintain their appearance. Clean profiles using fresh clean water and a soft sponge or microfiber cloth, a neutral pH cleaner such as STONETECH® Stone & Tile Cleaner may also be used. If cleaning agents are used, they must be free of hydrochloric and/or hydrofluoric acids. Do not use any abrasive cleaning products as they can scratch or mar the decorative surface.

9. TECHNICAL SERVICES**Technical assistance**

For information contact us by email at: enquiry@laticrete.me

Technical and safety literature

To obtain technical and safety literature, please visit our website at: www.laticrete.me

Warning:

The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® unable to directly control the installation conditions and modalities of application of products, do not assume any liability arising from their implementation. Those who want to use the LATICRETE® products must conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.