Transition Profiles - Style 1 (TR1)

DS-65393-1025

Globally Proven Construction Solutions

1. PRODUCT NAME

Transition Profiles - Style 1 (TR1)

2. MANUFACTURER

Made in Germany for;

LATICRETE Middle East LLC.
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United Arab Emirates
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3. PRODUCT DESCRIPTION

Used to transition between flooring materials of differing heights. The profiles anchor beneath the tile and abut to the flooring on either side. They are designed for use as both edge protection against chipping and cracking of the unfinished tile edge and to provide a smooth transition between different flooring types. Available in Aluminum, Anodized Aluminum, Brass, and Stainless Steel, they are suitable for residential and commercial projects and can be used indoors or outdoors.

Uses

- Floor Applications

Advantages

- Transition between flooring of different heights
- Creates a clean, professional appearance
- Protect the tile from chipping and cracking
- Delineate transitions between different materials

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

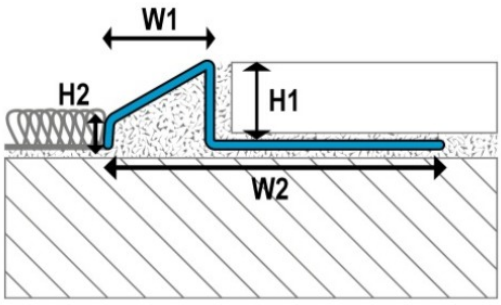
- Follow all tool manufacturer's directions, warning, and saftey procedures when cutting and/or trimming profiles
- Cut edges may be sharp. Use caution when handling profiles.

4. TECHNICAL DATA

Applicable Standard

Aluminum 6060 in accordance with DIN EN 755-1 (extruded Aluminum)
Surface anodized in accordance with DIN 17611
Stainless Steel 304 (V2A) Material number: 1.4301
Stainless Steel 316L (V4A) Material number: 1.4404

Physical Properties



Aluminum and Anodized Aluminum

Property	Specification
Hardness	70 - 80 HB
Melting point (approximate)	1220º F (660º C)

Height (H1)		Visible Width (W1)		Overall Width (W2)	
5/16 in	(8.0 mm)	0.6 in	(15.2 mm)	3.5 in	(89.0 mm)
3/8 in	(10.0 mm)	0.7 in	(18 mm)	3.5 in	(89.0 mm)
1/2 in	(12.5 mm)	0.9 in	(22.6 mm)	3.5 in	(89.0 mm)

Available Anodized Aluminum Finishes

- SAT - Satin
- PCR - Polished Chrome
- SNI - Satin Nickel
- BNI - Brushed Nickel
- SBR - Satin Brass
- ABB - Antique Brushed Bronze

Stainless Steel

Property	Specification
Height	5/16" - 3/4" (8 mm - 20 mm)
Length	8'-2.5" (2.5 m)
Nominal Thickness	1/16" (1.5 mm)
Hardness	250 HB
Melting point (approximate)	2624º F (1440º C)

Available Stainless Steel Finishes

- GLO - Gloss
- BRU - Brushed

Brass

Property	Specification
Height	5/16" -9/16" (8 mm - 15 mm)
Length	8'-2.5" (2.5 m)
Nominal Thickness	1/16" (1.5 mm)
Melting point (approximate)	1643º F (895º C)

Available Brass Finishes

- NAT - Natural

Working Properties

Transition Profiles - Typical Uses by Material & Finish

	Floors
Annodized Aluminum	x
Stainless Steel 304	x
Stainless Steel 316	x
Brass	x

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 width of the joint to be spanned. Use a profile that will completely cover the joint and allow for additional horizontal support on either side of the profile from both surfaces being transitioned between.

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.

Cutting Brass 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. Brass 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 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.

Installing Profiles

Apply tile adhesive with a margin or notched trowel to the area where the profile will be installed. Apply additional tile adhesive to the back of the transition profile filling the open space in the backside of the profile. 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, Stainless Steel and Brass 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.

It is normal for Brass profiles with a natural finish to patina or oxidize over time. If necessary, brass profiles may be polished with special cleaning or polishing pastes designed specifically for use on brass.

9. TECHNICAL SERVICES

Technical assistance

For information contact us by email at: enquiry@laticrete.me
Technical and safety literatureTo 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.