



# Transition Profiles - Style 1 (TR1)

DS-65393-0724

**Globally Proven  
Construction Solutions**



## 1. PRODUCT NAME

Transition Profiles - Style 1 (TR1)

## 2. MANUFACTURER

LATICRETE International, Inc.

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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 safety procedures when cutting and/or trimming profiles
- Cut edges may be sharp. Use caution when handling profiles.

## 4. TECHNICAL DATA

### Applicable Standard

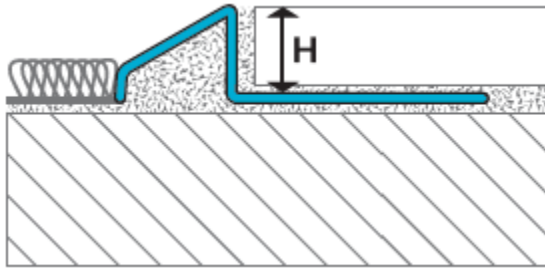
Aluminum 6060 in accordance with DIN EN 755-1 (extruded Aluminum)

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



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)	1643° F (895° C)

## Aluminum and Anodized Aluminum

Property	Specification
Height	1/8" - 11/16" (3.5 mm - 17.5 mm)
Length	8'-2.5" (2.5 m)
Nominal Thickness	1/16" (1.5 mm)
Hardness	70 - 80 HB
Melting point (approximate)	1220° F (660° C)

## 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)	2624° F (1440° C)

## Available Stainless Steel Finishes

- GLO - Gloss
- BRU - Brushed

## Brass

## Available Brass Finishes

- NAT - Natural

## Working Properties

### Transition Profiles - Typical Uses by Material & Finish

	Floors
Anodized 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, Call:

Toll Free: 1.800.243.4788

Telephone: +1.203.393.0010

For on-line distributor information, visit LATICRETE at [laticrete.com](http://laticrete.com)

### Cost

Contact a LATICRETE Distributor in your area.

## 7. WARRANTY

See 10. FILING SYSTEM:

- 1 Year Product Warranty (US) (English)
- 5 Year System Warranty (US) (English)
- 10 Year System Warranty (US) (English)
- 25 Year System Warranty (US) (English)
- LATICRETE Lifetime System Warranty (US) (English)

## 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

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 1235

Telephone: +1.203.393.0010, ext. 1235

Fax: +1.203.393.1948

### Technical and Safety Literature

To acquire technical and safety literature, please visit our website at [laticrete.com](http://laticrete.com).

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