



T-Shape Profiles (TS1)

DS-65385-0724

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

T-Shape Profiles (TS1)

2. MANUFACTURER

LATICRETE International, Inc.

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Bethany, CT 06524-3423 USA

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3. PRODUCT DESCRIPTION

T-Shape Profiles are used as same-height transitions between flooring materials and overlap both sides of the joint. The mounting leg extends into the joint, anchoring the profile and providing edge protection to both sides of the joint against chipping and cracking of the unfinished tile edge. Available in Aluminum, Anodized Aluminum, Brass, and Stainless Steel.

Suitable for residential and commercial projects, they can be used indoors and outdoors they are ideal for retrofit applications where existing floor finishes exist, T-Shape profiles are available in two widths, 17/32" or 1".

Uses

- Floor Applications

Advantages

- May be used for floor installations as same-height transitions
- Creates a clean, professional appearance
- Overlaps the joint edges protecting them from chipping and cracking
- Delineate transitions between different materials of the same height
- Ideal for retrofit installations

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

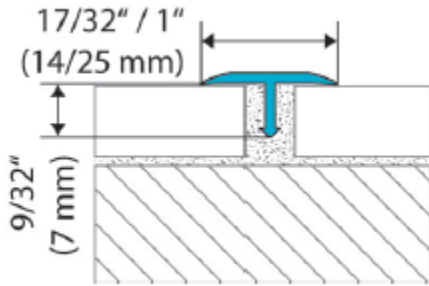
Aluminum 6060 in accordance with DIN EN 755-1 (extruded Aluminum)

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	9/32" (7 mm)
Width	17/32" or 1" (14 mm or 25 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)

Aluminum and Anodized Aluminum

Property	Specification
Height	9/32" (7 mm)
Width	17/32" or 1" (14 mm or 25 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 Aluminum Finishes

- NAT - Natural (mill)

Available Anodized Aluminum Finishes

- SAT - Satin
- SNI - Satin Nickel
- SCU - Satin Copper
- SBR - Satin Brass

Stainless Steel

Available Stainless Steel Finishes

- GLO - Gloss
- BRU - Brushed

Brass

Property	Specification
Height	9/32" (7 mm)
Width	17/32" or 1" (14 mm or 25 mm)
Length	8'-2.5" (2.5 m)
Nominal Thickness	1/16" (1.5 mm)
Melting point (approximate)	1643° F (895° C)

Available

Brass Finishes

- NAT - Natural

Working Properties

T-Shape Profiles - Typical Uses by Material & Finish

	Floors
Aluminum	x
Anodized Aluminum	x
Texture Coated 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

Ensure the joint between the two surfaces is clean and no residual bond-breakers exist. The joint must have a minimum depth of 3/8" (9 mm). Fill the joint with an elastomeric sealant such as LATASIL™. Insert the vertical leg into the sealant filled joint, centering the profile over the joint and pushing the profile down until flush with the surface on both sides. The complete joint should be covered and the profile supported on each side. Remove any excess sealant.

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.

10. FILING SYSTEM

Additional product information is available on our website at laticrete.com. The following is a list of related documents:

DS-6200.1: LATASIL™

LATICRETE International, Inc.

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