Square Edge Profiles Made of Stainless Steel (SQ5)

DS-65355-0926

Globally Proven Construction Solutions



1. PRODUCT NAME
Square Edge Profiles Made of Stainless Steel (SQ5)

2. MANUFACTURER
LATICRETE International, Inc.
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3. PRODUCT DESCRIPTION
Square Edge Profiles Profiles Made of Stainless Steel (304/316) are designed for use as both edge protection against chipping and cracking of the unfinished tile edge and as a decorative element for floor, wall, countertop, and stair edging applications. Stainless steel profiles provide the greatest durability with improved scratch resistance, corrosion resistance, and stain resistance. Specifically designed to create a visually appealing and professional installation they can also be utilized as same height transitions between tile, wood, vinyl, carpet, and other flooring materials, adding versatility to their functionality.

Suitable for use in residential and commercial projects, they can be used both indoors and outdoors as an alternative to traditional tile trim. Due to their material composition and engineered shape, when properly sized to the accompanying tile, they are suitable for use in areas that are subject to repetitive foot traffic and heavy wear. For areas with high chemical exposure or requiring greater chemical resistance such as around swimming pools or in commercial kitchens, select profiles are available in 316 grade stainless steel.

Uses
- Floor applications
- Wall applications
- Countertop applications
- Stair edging

Advantages
- May be used for floor, wall, or countertop installations
- Creates a clean, professional appearance
- Protect the tile from chipping and cracking
- May be used as a decorative or design element
- Delineate transitions between materials of the same height
- Protects users from sharp edges and corners
- Alternative to traditional tile trim
- Available with an open mounting leg for curves and radiuses

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

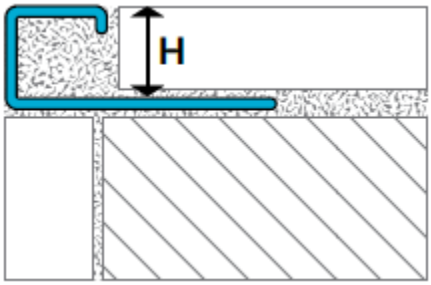
- Follow all tool manufacturer's directions, warning, and saftey procedures when cutting and/or trimming profiles
- Cut edges may be sharp. Use caution when handling profiles.

4. TECHNICAL DATA

Applicable Standard

Stainless Steel 304 (V2A) Material number: 1.4301
Stainless Steel 316L (V4A) Material number: 1.4404

Physical Properties



Property	Specification
Height	3/16" - 9/16" (4.5 mm - 15 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 Finishes:

- GLO - Gloss
- BRU - Brushed

Working Properties

Square Edge Profiles - Typical Uses by Material & Finish

	Floors	Walls	Countertops	Stair
Aluminum		x	x	
Annodized Aluminum		x	x	
Color Coated Aluminum		x	x	
Texture Coated Aluminum		x	x	
Stainless Steel 304	x	x	x	x
Stainless Steel 316	x	x	x	x
Brass		x	x	
PVC		x	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 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 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
All Square Edge Profiles have available inside/outside corners in corresponding sizes and finishes. When using corners as part of the installation ensure that they are accounted for when measuring and cutting. To install corners, begin by placing a small amount of tile adhesive into the end of the profile that will be receiving the corner to help hold it in place while positioning. Insert the corner piece into the end of the profile. The corner should push in easily without the need for excessive force.

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.

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**

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)
- Lifetime System Warranty (US) (English)

8. MAINTENANCE

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
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**.

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