

CERFIX PROANGLE F

External Corner Profiles



DESCRIPTION

Proangle™ F is a stylish triangular profile designed to enhance the appearance of external corners in tile coverings, serving as a decorative accent. For internal corners in tiled areas, the stainless-steel variant with a narrower base is highly recommended for its protective and finishing qualities.

Additionally, this product line includes specialized pieces like internal/external angles and end caps, available in both aluminum and stainless-steel options, that provide versatility and durability to meet various design and functional requirements.

MATERIALS

Anodized aluminum

These Al-Mg-Si profiles, heat-treated to T6 (6060 T6), are produced through extrusion and then anodized with a thickness of at least 15 µm. The external surface must be protected from scratches and rubbing. The profiles are highly resistant to chemical and atmospheric agents. However, it is important to note that when exposed to wet cement and its derivatives, they can produce alkaline substances that, if left untreated on the surface, may corrode the metal and lead to the formation of aluminum hydroxide. Therefore, it is essential to delicately and thoroughly clean the visible surface of the profile from cements, mortars/adhesives, cleaners, caulks and other materials.

It is worth mentioning that continuous wear, especially when these profiles are used on flooring, can cause the anodized surfaces to wear down over time, resulting in the loss of their original finish. Regular maintenance and care are recommended to preserve the quality and appearance of the profiles. See the “Care and Maintenance” section below.

Polished aluminum

These Al-Mg-Si alloy profiles, heat-treated to T6 temper (6463 T6), are manufactured through extrusion and subsequent mechanical treatment. They offer fair resistance to chemical agents. However, it is crucial to clean the visible surface of the profiles thoroughly from cements, mortars/adhesives, cleaners, caulks and other materials to prevent potential corrosion caused by alkaline substances from wet cement and its derivatives.

Furthermore, note that profiles made of polished aluminum are not suitable for use on floors and outdoors due to the risk of corrosion from alkaline substances.

Stainless steel

AISI 304 stainless-steel profiles feature substantial resistance to the principal chemical and atmospheric agents, lime, mortar and cleaning agents. They are recommended for use in more demanding environments such as the food industry, hospitals, pools and general exterior installations.

General note on metals

Aluminum, AISI 304 stainless steel and AISI 316 stainless steel are not resistant to all chemical compounds, particularly aggressive ones like hydrochloric acid (HCl) and phosphoric acid (H₃PO₄). Cleaning products such as muriatic acid, ammonia, bleach and sodium hypochlorite – commonly used for cleaning natural-stone, ceramic and porcelain tiles – can damage the surface of these metals and may lead to intense corrosive reactions.

It is crucial to promptly and gently remove residues of cement, mortars/adhesives, cleaners, caulks and other materials from the surface of profiles to prevent damage. Additionally, if adhesive tape is used to mask the profiles, it should be removed within 1 hour to avoid any adverse effects.

PRODUCT INSTALLATION

Use the following steps to install a profile with mortar.

1. Remove the profile from the packaging and check that the thickness of the material you are installing matches the height of the selected profile (refer to the label).
2. Remove any protective or thermo-shrink film covering the finish of the profile, if present.
3. Determine the necessary length and cut the profile to the required measurement using appropriate tools.
4. Use a proper trowel to spread the mortar and get proper coverage.
5. Press and embed the profile onto the mortar so that it comes out from the holes on the side wing.
6. Carefully place and press the flooring, ensuring it aligns with the profile and maintains the proper distance for the gap (usually 1/32" to 5/64", or 1 to 2 mm).
7. Fill the gap between the flooring and the profile using the appropriate grout.
8. Clean any excess gap material, mortar/adhesive, detergent, etc., with a soft sponge and water within 10 minutes of application.

CARE AND MAINTENANCE

The care and maintenance of the materials used in the production of these profiles are closely tied to the type of alloy and finishing used. The following instructions outline the procedures for restoring the profile's original appearance as much as possible. These guidelines are intended to serve as general recommendations for cleaning, but they should be checked and applied on a case-by-case basis. It is important to note that there are specific responsibilities and guidelines for each stage of the product's life, starting from its installation.

Aluminum

These profiles require minimal maintenance and can be easily maintained using colorless alcohol diluted in water or regular detergents, excluding acid-based products such as hydrochloric or hydrofluoric acid. Various commercial brands offer a wide range of detergents, generally classified into three types:

- Alkaline type
- Neutral type
- Acid type

For cleaning purposes, it is recommended to use a neutral detergent diluted in water and rinse with water only, using a sponge or non-abrasive cloth to avoid scratches or damage to the anodization, shine or varnish. During cleaning, the following precautions should be taken:

- Avoid using acid or alkaline detergents as they can damage aluminum.
- Avoid abrasive products or materials.
- Do not use organic solvents on painted surfaces.
- Do not use detergents with unknown chemical compositions.
- Do not apply detergents directly to the surface.
- Clean surfaces at a relatively low temperature (maximum temperature of 86°F or 30°C) and away from direct sunlight.
- Use cold detergents (maximum temperature of 86°F or 30°C) and avoid spraying it on the surface.

After cleaning, always rinse the treated area with water and dry immediately with a soft cloth or rag. Regular maintenance with polishing products is unnecessary.

Ensure quick and precise cleaning of the profile following the instructions on the product's packaging to prevent the accumulation of cement deposits, caulk or similar substances that could damage the surface layers.

Stainless steel

Stainless-steel surfaces can be polished using suitable products that are readily available in stores. Stainless steel is easy to clean and highly hygienic, thanks to its smooth and nonporous surface that makes it difficult for the adherence and survival of bacteria and other microorganisms. Basic guidelines are sufficient to keep stainless-steel surfaces well maintained: Washing with hot water and soap, followed by thorough rinsing and drying with a soft cloth.

For surfaces exposed to atmospheric or aggressive agents, periodic cleaning is recommended to maintain the stainless steel's appearance and prevent corrosion. When cleaning brushed finish surfaces, always follow the direction of the grain and avoid cleaning across it. For scratches, use a detergent or polish specifically designed for stainless steel and a soft cloth. Avoid using detergents containing hydrochloric acid (muriatic acid), hydrofluoric acid or bleach, and refrain from prolonged contact with common steel objects or tools that may transfer ferrous particles (contamination) and cause rust stains on the stainless-steel surface. Also avoid direct contact with detergents containing chlorides unless the contact is brief and the surface is thoroughly rinsed afterward.

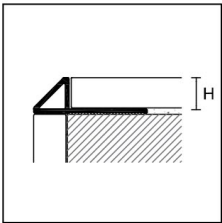
Additionally, prevent humid materials or sponges from remaining in contact with the stainless-steel surface for extended periods to avoid water stains.

FIRE-CONTROL MEASURES

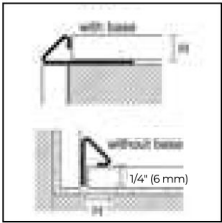
In case of fire, extinguish with fire-fighting chemical products, dry sand or solid fire-extinguishing agents.

NOTE

MAPEI profiles should be handled with care, and it is important to use suitable gloves to prevent cuts or injuries to the hands. The instructions provided here are based on our own experience and are for informational purposes only. It is crucial to confirm these instructions through practical experience. MAPEI will not be held responsible for any personal injury or material damage resulting from improper use of the product. The user is responsible for determining if the product is suitable for the intended task and must also assume responsibility for any incorrect installation of the material.



FMA/
FMB/



FMI/
FMIS/

CERFIX PROANGLE F

Length = 8'10" or 2.7 m (20 pieces per package)		H			
Item	Finish		5/16" (8 mm)	3/8" (10 mm)	1/2" (12.5 mm)
ALUMINUM					
FMA/	Silver anodized		93025	93026	93027
	\$/pc				
FMB/	Bright polished silver		93028	93029	93030
	\$/pc				
Individually packaged					

CERFIX PROANGLE F

Length = 8'10" or 2.7 m (20 pieces per package)				H		
Item	Finish		5/16" (8 mm)		3/8" (10 mm)	
STAINLESS STEEL						
FMI/	Stainless steel AISI 304		with base 93050	without base 93051	with base 93052	without base 93053
FMIS/	Satin stainless steel AISI 304		93054	93055	93056	93057
Individually packaged						

OUTSIDE CORNER						OUTSIDE CORNER					
5 pieces per package						5 pieces per package					
Item	Finish		5/16" (8 mm)	3/8" (10 mm)	1/2" (12.5 mm)	Item	Finish		5/16" (8 mm)	3/8" (10 mm)	
ALUMINUM						STAINLESS STEEL					
FMAE/	Silver anodized		93031	93032	93033	FMIE/	Stainless steel AISI 304		93058	93059	
	\$/pc						\$/pc				
FMBE/	Bright polished silver		93040	93041	93042	FMIES/	Satin stainless steel AISI 304		93064	93065	
	\$/pc						\$/pc				
INSIDE CORNER						INSIDE CORNER					
5 pieces per package						5 pieces per package					
Item	Finish		5/16" (8 mm)	3/8" (10 mm)	1/2" (12.5 mm)	Item	Finish		5/16" (8 mm)	3/8" (10 mm)	
ALUMINUM						STAINLESS STEEL					
FMAI/	Silver anodized		93034	93035	93036	FMII/	Stainless steel AISI 304		93060	93061	
	\$/pc						\$/pc				
FMBI/	Bright polished silver		93043	93044	93045	FMIS/	Satin stainless steel AISI 304		93066	93067	
	\$/pc						\$/pc				
END CAP						END CAP					
5 pieces per package						5 pieces per package					
Item	Finish		5/16" (8 mm)	3/8" (10 mm)	1/2" (12.5 mm)	Item	Finish		5/16" (8 mm)	3/8" (10 mm)	
ALUMINUM						STAINLESS STEEL					
FMAC/	Silver anodized		93037	93038	93039	FMIC/	Stainless steel AISI 304		93062	93063	
	\$/pc						\$/pc				
FMBC/	Bright polished silver		93046	93047	93048	FMICS/	Satin stainless steel AISI 304		93068	93069	
	\$/pc						\$/pc				

No partial packaging for aluminum accessories

ADDITIONAL INFORMATION

For information on MAPEI’s commitment to sustainability and transparency, as well as how MAPEI products may contribute to green building standards and certification systems, contact sustainability_USA@mapei.com (USA) or sustainability-durabilite@mapei.com (Canada).

WARNING

The test results shown in the TECHNICAL DATA table were obtained in compliance with test methods and curing cycles, if applicable, defined in the industry standards referenced on the Technical Data Sheet. Please note that the use of test procedures or methods other than those indicated in the table could lead to different values and that, in such cases, any liability of our company is excluded.

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement nor replace requirements per the TDS in effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at www.mapei.com. **ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.**

Before using, the user must determine the suitability of our products for the intended use, and the user alone assumes all risks and liability. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**

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Edition Date: May 2, 2024 MK 13211 (24-1638)

For the most current product data and BEST-BACKEDSM warranty information,
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