

CERFIX PROANGLE / B / FLEX

Profiles for External Corners



DESCRIPTION

Proangle™ is a line of profiles designed for finishing, closing, protecting and decorating during the installation of flush flooring, whether that flooring is ceramic, marble, granite, wood or another material.

These profiles serve various purposes such as creating separation and decorative joints between different flooring materials, like ceramic and wood or carpet. They also function as finishing and protective profiles for edges of steps, footrests and perimeter profiles for doormats.

Proangle profiles, available in natural brass and natural aluminum, are particularly well-suited for marble, resin and wood installations, as well as any area that requires surface polishing. It is important to note that polishing should be avoided on profiles made from materials other than those recommended.

Proangle profiles in bright aluminum, color-coated aluminum and PVC are not suitable for use on floors, while the chrome brass versions are not recommended for areas with heavy foot traffic.

Proangle profiles are also ideal for sealing and protecting external corners in ceramic flooring, eliminating the need for fragile 45-degree cuts. The square form of these profiles is perfect for outlining flooring like rectified porcelain tiles.

Available in various materials, colors and finishes, **Proangle** profiles serve not only functional purposes but also add a refined and aesthetically pleasing touch, complementing or contrasting with different styles of flooring. The versatility of the **Proangle** line stems from the diverse materials used, making these profiles suitable for use in civil, public and industrial environments.

Additionally, **Proangle** is available in **Flex** versions, made of natural aluminum, stainless steel and brass, designed specifically for curved installations using a bending machine, ensuring a seamless transition along curved junctions.

Note that titanium anodized aluminum models are not recommended for outdoor use.

MATERIALS

Natural aluminum

These Al-Mg-Si alloy profiles, heat-treated to T6 temper (6060 T6), exhibit a strong resistance to chemical and atmospheric agents. However, exposure to moisture, concrete and its derivatives can produce alkaline substances that may corrode the metal, forming aluminum hydroxide if left to react with the surface. Therefore, it is crucial to promptly and delicately clean the visible surface of the profiles to remove any concrete, mortars/adhesives, grouts and detergents, thus protecting it from scratches, rubbing and potential corrosion.

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.

Coated aluminum

These Al-Mg-Si alloy profiles, heat-treated to T6 temper (6060 T6), are produced through extrusion and then color-coated. While they offer a fair level of resistance to chemical and atmospheric agents, they are not

suitable for handling mechanical stress, as this can damage the coated surface. Therefore, it is not recommended to use these profiles for flooring applications.

It is crucial to promptly clean the visible surface of the profile from cement, mortars/adhesives, cleaners, caulks and other materials to maintain the integrity of the varnish coating and prevent potential damage or corrosion.

Antibacterial coated aluminum

These Al-Mg-Si alloy profiles, heat-treated to T6 temper (6060 T6), are manufactured through extrusion and subsequently coated with antibacterial technology. This technology allows for a reduction of up to 99% of the most dangerous bacteria, and it is certified according to the strict international test JIS Z 2801: 2000.

While these profiles offer fair resistance to chemical and atmospheric agents, they are not suitable for handling mechanical stress, which can damage the coated surface. Therefore, it is not recommended to use these profiles for flooring applications.

It is important to promptly clean the visible surface of the profile from cement, mortars/adhesives, cleaners, caulks and other materials to maintain the integrity of the antibacterial varnish coating and prevent potential damage or corrosion.

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.

AISI 316 stainless-steel profiles feature substantial resistance to the principal chemical and atmospheric agents, lime and mortar and cleaning agents. Moreover, they afford good resistance to chlorine and saltiness, and are particularly well suited for extreme environments.

Natural brass

These CW624N alloy profiles are manufactured through extrusion. They exhibit excellent resistance to chemical agents and mechanical stress. However, when brass is used on the visible surface side, it is prone to oxidation, resulting in a surface patina. In environments with strong atmospheric humidity or corrosive agents, brass can experience accelerated oxidation, leading to surface stains and spots.

When needed, the original natural appearance of the brass surface can be restored by using abrasives or specific polishing products.

Chrome brass

These CW624N alloy profiles are manufactured by extrusion and subsequently coated with chrome. They are resistant to UV rays, chemical and atmospheric agents, and should not be used on floors in areas subject to heavy foot traffic.

Rigid PVC

These profiles are made of rigid PVC vinyl that is lead-free, shock-resistant and self-extinguishing. The compound is stabilized using an eco-compatible salt-based Ca-Zn stabilizer.

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 varnished 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.

Brass

These profiles require minimal maintenance and can be easily maintained using alcohol diluted in water or regular detergents, excluding acid-based products. For cleaning, it is recommended to use a neutral detergent diluted in water along with a rinsing agent of water only, using a sponge or nonabrasive cloth to prevent scratches or damage to the surface.

For maintenance purposes, a normal polishing product should be used.

PVC

These profiles require no specific maintenance and can be easily cared for using colorless water-diluted alcohol or water-diluted normal detergents (excluding acid-based or alkaline-based detergents). After cleaning, rinse thoroughly with water only and use a sponge or nonabrasive cloth to prevent scratches or damage to the surface.

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.

CERFIX PROANGLE

Length = 8'10" or 270 cm
20-piece package

length = 8'10" or 270 cm			H				
20-piece package							
Item	Finish		3/32" (2 mm)	7/64" (2.5 mm)	1/8" (3 mm)	3/16" (4.5 mm)	1/4" (6 mm)
ALUMINUM							
ZG/	Natural aluminum		90207	90206	90208	90210	88159
	\$/pc						
ZA/	Silver anodized		90336	90337	90338	90340	88204
	\$/pc						
BRASS							
ZN/	Natural brass		–	–	90078	90080	88024
	\$/pc						
ZK/	Chromium-plated		–	–	–	90081	88114
	\$/pc						

CERFIX PROANGLE

Length = 8'10" or 270 cm
20-piece package

length = 8"10" or 270 cm

20-piece package

H

Item	Finish		1/8" (3 mm)	3/16" (4.5 mm)	1/4" (6 mm)	5/16" (8 mm)
STAINLESS STEEL						
AI/ \$/pc	Stainless steel AISI 304		91636	91638	91642	91644
AIS/ \$/pc	Satin stainless steel AISI 304		–	91671	91673	91674
AIX/ \$/pc	Stainless steel AISI 316		–	–	91684	91685

H												
5/16" (8 mm)	11/32" (9 mm)	3/8" (10 mm)	7/16" (11 mm)	1/2" (12.5 mm)	17/32" (14 mm)	9/16" (15 mm)	11/16" (17.5 mm)	3/4" (20 mm)	7/8" (22.5 mm)	1" (25 mm)	1-1/16" (27.5 mm)	1-3/16" (30 mm)
88160	88155	88161	88156	88162	88157	88163	88164	88165	88166	88167	-	-
88205	88217	88206	88218	88207	-	88208	88209	88210	88211	88212	-	-
88025	-	88026	88038	88027	-	88028	88029	88030	88031	-	-	-
88115	-	88116	88118	88117	-	-	-	-	-	-	-	-

H												
11/32" (9 mm)	3/8" (10 mm)	7/16" (11 mm)	1/2" (12.5 mm)	17/32" (14 mm)	9/16" (15 mm)	11/16" (17.5 mm)	3/4" (20 mm)	7/8" (22.5 mm)	1" (25 mm)	1-1/16" (27.5 mm)	1-3/16" (30 mm)	
91645	91646	91647	91648	91649	91650	91652	91654	91656	91658	91660	91662	
–	91675	91677	91676	–	91678	–	91679	–	–	–	–	
–	91686	91688	91687	–	–	–	–	–	–	–	–	

CERFIX PROANGLE B

Length = 8'10" or 270 cm
20-piece package

Item	Finish		5/16" (8 mm)	3/8" (10 mm)	1/2" (12.5 mm)	9/16" (15 mm)	3/4" (20 mm)	7/8" (22.5 mm)
ALUMINUM								
ZBC/	Natural aluminum		90010	90012	90014	90016	90018	90020
	\$/pc							
Individually packaged								

CERFIX PROANGLE FLEX

Length = 8'10" or 270 cm 20-piece package			H						
Item	Finish		1/8" (3 mm)	3/16" (4.5 mm)	1/4" (6 mm)	5/16" (8 mm)	3/8" (10 mm)	1/2" (12.5 mm)	9/16" (15 mm)
ALUMINUM									
ZGF/	Natural aluminum		88720	88721	88722	88723	88724	88725	88726
	\$/pc								
BRASS									
ZNF/	Natural brass		88701	–	88703	88704	88705	88706	–
	\$/pc								
Length = 8'10" or 270 cm 10-piece package									
STAINLESS STEEL									
AIF/	Stainless steel AISI 304		–	–	91622	91623	91624	91625	–
	\$/pc								

CERFIX PROANGLE FLEX

Length = 8'10" or 270 cm 20-piece package			H					
Item	Finish		5/16" (8 mm)	3/8" (10 mm)	1/2" (12.5 mm)	9/16" (15 mm)	3/4" (20 mm)	7/8" (22.5 mm)
ALUMINUM								
ZBGF/	Natural aluminum		90011	90013	90015	90017	90019	90021
	\$/pc							
Individually packaged								

CERFIX PROANGLE

Length = 8'10" or 2.7 m
(20 pieces per package)

Length = 8'10" or 2.7 m (20 pieces per package)			H								
Item	Finish		1/8" (3 mm)	3/16" (4.5 mm)	1/4" (6 mm)	5/16" (8 mm)	11/32" (9 mm)	3/8" (10 mm)	7/16" (11 mm)	1/2" (12.5 mm)	
ALUMINUM											
ZA/	Silver anodized		90338	90340	88204	88205	88217	88206	88218	88207	
	Gold anodized		–	–	–	–	–	88251	–	88252	
	\$/pc										
ZA/	Titanium anodized		–		88253	88254	–	88255	88257	88256	
	\$/pc										
	Black anodized		–	–	–	88265	–	88266	88267	88268	
ZB/	Bright polished silver		–	88260	88294	88295	–	88296	88220	88297	
	\$/pc										
	ZB/	Bright polished gold		–	88261	88339	88340	–	88341	–	88342
Bright polished titanium			–	90341	88344	88345	–	88346	88348	88347	
Bright polished black			–	–	–	88223	–	88224	–	88225	
ZBS/	\$/pc										
	ZTM/	Bright satin silver		–	–	88349	88350	–	88356	88357	88358
		Bright satin titanium		–	–	–	88351	–	88359	88360	88361
\$/pc											
ZBS/	Bright satin black		–	–	–	–	–	88353	88354	88355	
	\$/pc										
	COLOR-COATED ALUMINUM										
ZV/	Color-coated matte white		–	–	–	88395	–	88396	88435	88397	
	RAL 9003										
	Color-coated white		–	–	88384	88385	–	88386	88436	88387	
ZV/	RAL 9003										
	\$/pc										
	ANTIBACTERIAL COLOR-COATED ALUMINUM										
ZVH/	Color-coated white		–	–	–	88390	–	88392	–	88394	
	RAL 9003										
	\$/pc										

Individually packaged

CERFIX PROANGLE – TREND COLOR

Length = 8'10" or 2.7 m
(20 pieces per package)

		H				
Item	Finish	5/16" (8 mm)	3/8" (10 mm)	7/16" (11 mm)	1/2" (12.5 mm)	
COLOR-COATED ALUMINUM						
ZV/	TREND COLOR STONE					
	Dark brown		88446	88407	88417	88481
	Anthracite gray		88447	88398	88408	88482
	Ancient gray		88448	88400	88410	88483
	Gray		88449	88405	88415	88484
	Rust		88450	88399	88409	88485
	Bronze		88451	88406	88416	88486
	Stone		88452	88404	88414	88491
	Greige		88453	88403	88413	88492
	Sand		88454	88402	88412	88493
	Beige		88455	88401	88411	88494
	White stone		88456	88428	88433	88495
	Black stone		88457	88429	88434	88496
	TREND COLOR CONCRETE					
	Concrete white		88469	88437	88461	88497
	Concrete graphite		88470	88438	88462	88498
	Concrete smoke		88471	88439	88463	88499
	Concrete mud		88472	88440	88464	88500
	Concrete sand		88473	88441	88465	88501
	Solid white		88478	88460	88468	88502
	TREND COLOR METAL					
	Metal dark		88479	88458	88466	88503
	Metal light		88480	88459	88467	88504
\$/pc						

Individually packaged

CERFIX PROANGLE

Length = 8'10" or 2.7 m
(20 pieces per package)

			H							
Item	Finish		1/8" (3 mm)	3/16" (4.5 mm)	1/4" (6 mm)	5/16" (8 mm)	11/32" (9 mm)	3/8" (10 mm)	7/16" (11 mm)	1/2" (12.5 mm)
STAINLESS STEEL										
AI/	Stainless steel AISI 304 \$/pc		91636	91638	91642	91644	91645	91646	91647	91648
AIL/	Superpolished stainless steel AISI 304 \$/pc		–	91690	–	91694	–	91696	–	91698
AIS/	Satin stainless steel AISI 304 \$/pc		–	91671	91673	91674	–	91675	91677	91676
AIP/	Sandblasted stainless steel AISI 304 \$/pc		–	–	91700	91702	–	91704	91705	91706
AIX/	Stainless steel AISI 316 \$/pc		–	–	91684	91685	–	91686	91688	91687

Individually packaged

CERFIX PROANGLE – OUTSIDE CORNER

5 pieces per package

			H							
Item	Finish		1/8" (3 mm)	3/16" (4.5 mm)	1/4" (6 mm)	5/16" (8 mm)	11/32" (9 mm)	3/8" (10 mm)	7/16" (11 mm)	1/2" (12.5 mm)
STAINLESS STEEL										
AI/E	Stainless steel AISI 304 \$/pc		–	–	–	–	–	91663	91664	91665
AIS/E	Satin stainless steel AISI 304 \$/pc		–	–	–	–	–	91680	91681	91682

CERFIX PROANGLE

Length = 8'10" or 2.7 m
(20 pieces per package)

Item	Finish		3/16" (4.5 mm)	1/4" (6 mm)	5/16" (8 mm)	11/32" (9 mm)	3/8" (10 mm)	7/16" (11 mm)	1/2" (12.5 mm)
CHROMIUM-PLATED BRASS									
ZK/	Chromium-plated		90081	88114	88115	–	88116	88118	88117
	\$/pc								

Individually packaged

CERFIX PRODECOR DJ

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)	9/16" (15 mm)	3/4" (20 mm)
CHROMIUM-PLATED BRASS							
DJK/	Chromium-plated		95700	95702	95704	95703	95705
	\$/pc						

Individually packaged. Item DJK/20 pack 10 pcs

CERFIX PRODECOR DJ – OUTSIDE AND INSIDE CORNERS

5 pieces per package

5 pieces per package			H				
Item	Finish		5/16" (8 mm)	3/8" (10 mm)	1/2" (12.5 mm)	9/16" (15 mm)	3/4" (20 mm)
CHROMIUM-PLATED BRASS							
DJK/ /EI	Chromium-plated		95706	95707	95708	95709	95710
	\$/pc						

No partial packaging

CERFIX PROANGLE

Length = 8'10" or 2.7 m
(20 pieces per package)

Length = 8'10" or 2.7 m (20 pieces per package)			H				
Item	Finish		3/16" (4.5 mm)	1/4" (6 mm)	5/16" (8 mm)	3/8" (10 mm)	1/2" (12.5 mm)
PVC							
PV/	Snow white		80610	80496	80497	80498	80499
	White		80611	80500	80501	80502	80503
	Cream white RAL 9001		–	80504	80505	80506	80507
	Ivory RAL 1015		–	80508	80509	80510	–
	Beige gray RAL 1019		–	80512	80513	80514	–
	Beige bahama		–	80552	80553	80554	–
	Stone gray RAL 7030		–	80516	80517	80518	–
	Ash gray RAL 7038		–	80520	80521	80522	–
	Light gray RAL 7035		–	80524	80525	80526	80527
	Anthracite		–	80559	80560	80561	–
	Red RAL 3002		–	80528	80529	80530	–
	Black RAL 9005		–	80532	80533	80534	–

\$/pc

No partial packaging

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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Concrete and heavy construction: 1-888-365-0614

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Customer Service

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