PROFILPAS S.P.A.
VIA EINSTEIN, 38 35010 CADONEGHE (PADOVA)
ITALY
TEL. +39 (0)49 8878411 +39 (0)49 8878412
FAX. +39 (0)49 - 706692
EMAIL: INFO@PROFILPAS.COM

External corners profiles
Procorner
Procorner M

Application

PROCORNER M are profiles mainly used both to protect covering angles and as a decorative finish on surfaces have already been laid.
These profiles are available in different finishes of aluminum (210-220-277), stainless steel (774-775-776-777-779) and brass (076-077), they are installed with the use of the proper adhesive (such as PP/86). Some models, are furnished with an auto-adhesive for an even quicker installation.
Recommended for areas that undergo a high volume of passage (public offices, commercial areas, schools, hospitals, etc.) or wherever there is a risk of corner finish wear and tear by the passage of carts, stretchers, etc.

Materials

Anodized aluminum
Al-Mg-Si Alloy heat treated to T6 temper (6060 T6)
These profiles are made by extrusion and subsequently anodized. They are well-resistant to chemical and atmospheric agents. Wet cement and its derivatives produce alkaline substances that, when left to act on the surface, can corrode metal (formation of aluminum hydroxide). For this reason, the visual surface of the profile must be cleaned thoroughly of cements, adhesives and caulking or stopping material. As a result of wear and treading (when these profiles are used on flooring), anodized surfaces wear down, losing their original finish.
Varnished aluminum
Al-Mg-Si Alloy heat treated to T6 temper (6060 T6)
These profiles are made by extrusion and subsequently varnished. They present a distinct resistance to chemical and atmospheric agents, though they cannot handle mechanical stress, which damages the enamel surface; use of this material is not recommended for floors. Cement, adhesives and materials used for caulking and stopping must be immediately cleaned from the visible surface of the profile.
Stainless Steel
AISI 304 - DIN 1.4301
Featuring a substantial resistance to the principal chemical and atmospheric agents, lime and mortar, as well as adhesives for tiles and cleaning agents. Recommended for use even in the food industry, hospitals, pools, general exterior environments, etc.
Stainless Steel
AISI 430 - DIN 1.4016
This type of steel has a moderate resistance to corrosive agents. Recommended for use in internal environments.
Polished Brass
Alloy CW624N UNI EN 12167
These profiles are made by extrusion and subsequently polished mechanically. The external surface must be protected from scratches and rubbing. They are well-resistant to chemical agents and mechanical stress. On the visible surface, brass is nevertheless subject to the oxidation phenomenon that causes a surface patina. When exposed to strong atmospheric humidity or corrosive agents, brass is subject to an elevated rate of oxidation and can present surface stains and spots. Whenever necessary, the initial natural look can be recovered with abrasives or specific polishing products.

General note on metals
Aluminium, Brass, Stainless Steel AISI 304 - DIN 1.4301 and Stainless Steel AISI 430 - DIN 1.4016 are not resistant to all chemical compounds and it would thus be necessary to keep them away from particularly aggressive products such as hydrochloric acid (HCl) and phosphoric acid (H3PO4)

Products that can be used for cleaning stones, ceramics and gres, namely muriatic acid, ammonia, bleach or sodium hypochlorite damage the surface finish of the metal and may cause intense corrosive reactions. Therefore, it is necessary to always remove, and as fast and gently as possible, residues of cement, adhesives and materials for caulking and stopping from the surface of profiles.

Laying

Laying instructions using Adhesives Type PP/86
Take the profile out of the packaging.
Remove, wherever present, the protection (protective and/or thermo-shrink film) of the product’s finish.

Measure and cut the profile to the required length with the proper tools.
Verifying that the laying area is perfectly clean and then place the profile, now cut to measure, in the correct position, fixing it to the laying surface with the appropriate adhesive (type PP/86).
Keep sufficiently even pressure for a few minutes on the entire length of the profile in order to ensure sufficient adhesion to the laying surface.
Laying instructions for adhesive profiles
Take the profile out of the packaging.
Remove, wherever present, the protection (protective and/or thermo-shrink film) of the product's finish.
Measure and cut the profile to the required length with the proper tools.
Verifying that the laying area is perfectly clean and not crumbly or brittle, remove the protective paper and lay the profile, applying an even pressure to its entire length in order to ensure sufficient adhesion to the laying surface.

Care and maintenance

Aluminum
These need no particular maintenance and are easily cared for with colorless alcohol diluted in water or with normal detergents, though not acid-based products (e.g. hydrochloric or hydrofluoric acid).
For cleaning tasks, a wide array of detergents coming in a variety of commercial brands and of numerous manufacturers are generally used.

In general, there are three product types:

- Alkaline type
- Neutral type
- Acid type

For cleaning, neutral detergent diluted in water and a rinsing agent of solely water is recommended, using a sponge and/or non-abrasive cloth to prevent scratches and/or damage to the anodization, shine or varnish.

During cleaning, the following should be kept in mind:

- Do not use acid or alkaline detergents, since they can damage aluminum;
- Do not use abrasive products and/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 to be cleaned;
- Surfaces must be relatively "cold" when cleaning (Max. Temp = 30ºC) and not exposed directly to sunlight;
- Detergents used for cleaning must be in turn "cold" (Max. Temp = 30ºC) and spray devices must not be used.

In any case, the last phase of cleaning is always an adequate rinsing with water on the part that has been treated, followed immediately by drying with a soft cloth or rag. Maintenance with polishing products or similar is unnecessary.

Effect a quick and accurate cleaning of the profile, according to the indications on the product's packaging, in order to prevent possible cement deposits, caulking material or similar products that may end up attacking the surface layers.
Stainless Steel
The stainless surfaces can be polished with the adequate products, commonly found in stores.
Stainless steel is easy to clean and extremely hygienic; its smooth and non-porous surface makes it especially difficult for the adhesion and survival of bacteria and/or other micro-organisms.
Some simple guidelines are all that is required to keep steel surfaces perfectly cared for: it suffices to wash with hot water and soap, rinsing abundantly and drying with a soft cloth.
If the surface is exposed to atmospheric or aggressive agents, periodic cleaning of the stainless profile is recommended in order to keep the surface unaltered and prevent the onset of corrosion.
On brushed finish surfaces, always clean in the direction of the grain and never across it.
For scratches, use a detergent/polish suitable for stainless steel and a soft cloth.

Under no circumstances should the following be used for cleaning:

- detergents containing hydrochloric acid (muriatic acid), hydrofluoric acid or bleach; avoid direct contact on the surface of detergents containing chlorine, unless the contact time is brief and followed up by an immediate rinsing with abundant amount of water;
- detergents in abrasive powder form that could damage the surface finish of the profile.

Avoid allowing objects and tools in common steel (e.g. brushes or steel wool normally used to remove residual mortar or similar products) to come into contact with profiles in stainless steel for a prolonged period, otherwise they could transfer ferrous particles (contamination), causing the appearance of rust stains on the surface.
Prevent humid pieces of material or sponges to lay for a prolonged period of time in contact with the stainless steel surface in order to prevent unsightly water stains.
Brass
These need no particular maintenance and are easily cared for with alcohol diluted in water or with normal detergents, though not acid-based products.
For cleaning, neutral detergent diluted in water and a rinsing agent of solely water is recommended, using a sponge and/or non-abrasive cloth to prevent scratches and/or damage to the surface. Use non-abrasive sponges or cloths to avoid scratching the surface. For maintenance, a normal commercial polish should be used (type Sidol).

Fire Control Measures

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

NOTE

These profiles must be handled with care, taking the necessary steps to use suitable gloves to prevent wounds such as cuts to the hand.

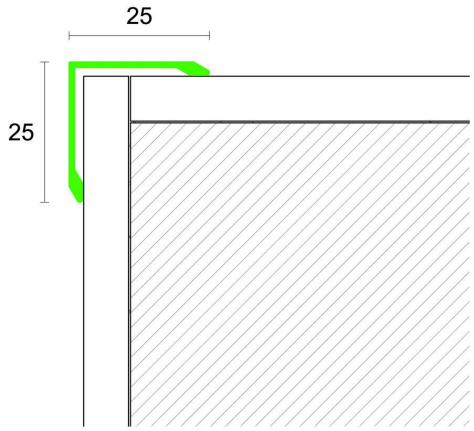
All indications and instructions here have come from our own experience to be understood as purely informative and will have to be confirmed through

exhaustive practical experience.

Profilpas will not be held responsible for any personal injury or material damage from improper use of the product.

The user is responsible for establishing whether the product is suitable for the task and likewise must assume all responsibility for incorrect laying of material.

210



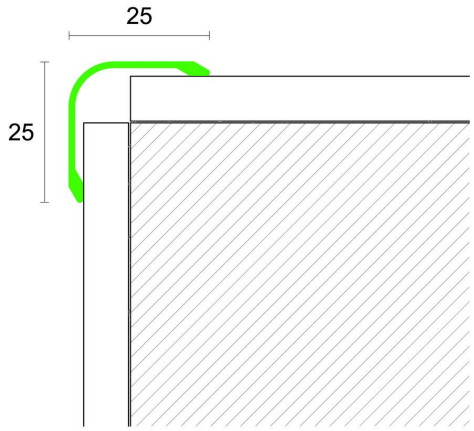
Profile

Article	210/A	210/SF
	Adhesive	
Length [cm]	300	300
Anodised Aluminium		
Silver	76098	76068
Gold	76108	76078
Bronze	76118	76089

Profile

	Article	210/A	210/SF
		Adhesive	
	Length [cm]	300	300
	Painted Aluminium		
	RAL 9010 - Pure white	76208	76128

220

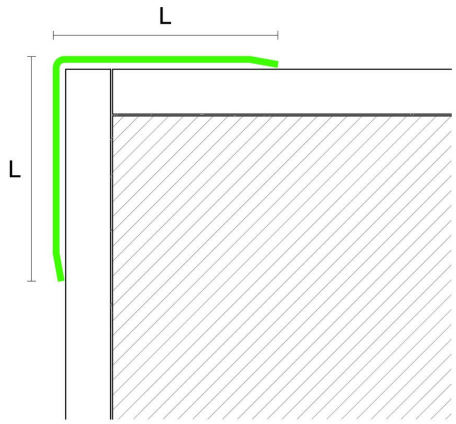


Profile

Article	220/A	220/SF
	Adhesive	
Length [cm]	300	300
Anodised Aluminium		
Silver	77894	77888
Gold	77896	77890

Profile

Article	220/A	220/SF
	Adhesive	
Length [cm]	300	300
Painted Aluminium		
RAL 9010 - Pure white	77916	77900



Profile

Article	277/SF	277/SF	277/SF
	Without holes	Without holes	Without holes
Thickness [mm]	1	1	1
Width L [mm]	20	25	30
Length [cm]	300	300	300
Anodised Aluminium			
Silver	76308	76318	76328

Profile

Article	775/A	775/A	775/A	775/SF	775/SF	775/SF
	Adhesive	Adhesive	Adhesive			
Thickness [mm]	1	1	1	1	1	1
Width L [mm]	30	40	50	30	40	50
Length [cm]	270	270	270	270	270	270
Polished Stainless Steel AISI 304 - DIN 1.4301						
	77148	77158	77168	77108	77118	77128

Profile

Article	775/SF	775/SF
Thickness [mm]	1	1
Width L [mm]	30	50
Length [cm]	270	270
Satin finished Stainless Steel AISI 304 - DIN 1.4301		
	77110	77130

Profile

Article	776/A	776/A	776/A	776/A	776/A	776/A	776/SF	776/SF	776/SF	776/SF	776/SF	776/SF
	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive						
Thickness [mm]	1	1	1	1	1	1	1	1	1	1	1	1
Width L [mm]	30	40	50	30	40	50	30	40	50	30	40	50
Length [cm]	200	200	200	270	270	270	200	200	200	270	270	270
Stainless Steel AISI 430 - DIN 1.4016												
	77044	77054	77064	77048	77058	77068	77004	77014	77024	77008	77018	77028

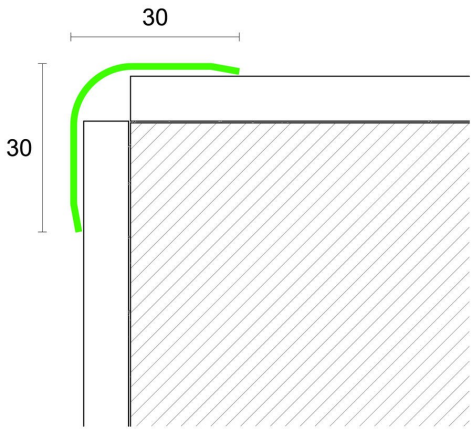
Profile

Article	777/A	777/A	777/A	777/A	777/SF	777/SF	777/SF	777/SF
	Adhesive	Adhesive	Adhesive	Adhesive				
Thickness [mm]	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Width L [mm]	15	20	25	30	15	20	25	30
Length [cm]	300	300	300	300	300	300	300	300
Polished Stainless Steel AISI 430 - DIN 1.4016								
	76938	76948	76958	76968	76888	76898	76908	76918

Profile

Article	076/A	076/A	076/SF	076/SF	077/A	077/A	077/A	077/A	077/SF	077/SF	077/SF	077/SF
	Adhesive	Adhesive			Adhesive	Adhesive	Adhesive	Adhesive				
Thickness [mm]	1	1	1	1	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Width L [mm]	30	40	30	40	15	20	25	30	15	20	25	30
Length [cm]	270	270	270	270	300	300	300	300	300	300	300	300
Polished Brass												
	76848	76858	76808	76818	76768	76778	76788	76798	76718	76728	76738	76748

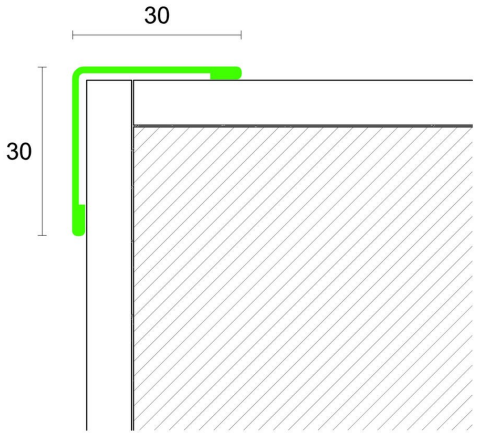
774



Profile

Article	774/A	774/SF
	Adhesive	
Thickness [mm]	1	1
Length [cm]	270	270
Polished Stainless Steel AISI 304 - DIN 1.4301		
	77956	77954

779



Profile

Article	**779/SF**
Thickness [mm]	1
Length [cm]	270
Satin finished Stainless Steel AISI 304 - DIN 1.4301	
	77106