PROTECT

Stair nosing profiles

DESCRIPTION

The **Protect** range of profiles is recommended to protect the corners of steps already laid with wood, ceramic tiles, marble or other types of material.
Versions are available with or without pre-drilled holes, with or without screws or with adhesive.
Items **76**, **124**, **110** are anodized aluminium profiles on which self-adhesive, non-slip SAFETY STEP strips are applied.
Items **72**, **79**, **125**, **78**, **126** are anodized aluminium profiles on which ridged rubber (PVC) profiles are affixed with neoprene adhesive.
Item **74** is available in anodized aluminium and also in a version coated with Alcrom® Plus (a film reproducing the different shades and/or finishes of wood) providing an aesthetic solution that will match almost any type of flooring in domestic or public settings.
Items **87**, **370**, **373**, **70**, **71**, **130**, **76**, **124**, **110**, **80**, **72**, **79**, **125**, **78**, **126** have a special surface assuring they comply with regulation DIN 51131 regarding non-slip steps.
Items **150**, **151**, **152**, **154**, **155**, **156** are made of PVC and should be bonded to the surface with neoprene adhesive.

MATERIALS

Anodized aluminium

Al-Mg-Si aluminium, heat-treated in T6 (6060 T6).
The profiles are made by extrusion then anodized with a ≥ 15 µm thick layer.
They present a strong resistance to chemical and atmospheric agents. When wet, concrete and its derivatives produce alkaline substances which can corrode metal (forming aluminium hydroxide) when allowed to react with the surface. For this reason, the visible surface of the profile must be quickly and delicately cleaned to remove any concrete, adhesive or grouting substances and detergents.

Anodized surfaces can become ruined through wear and foot traffic (profiles used on floors) and the original finish lost as a result.

Alcrom® Plus coated natural aluminium

Al-Mg-Si aluminium, heat-treated in T6 (6060 T6).
The profiles are extruded then coated with hard-wearing Alcrom® Plus film reproducing the different tones and/or finishes of wood.

Stainless steel

AISI 304 - DIN 1.4301
Especially resistant to the main chemical and atmospheric agents, to lime, mortar, tile adhesives and cleaning products.
Also recommended for use in food industries, hospitals, external environments in general, etc.

Polished brass

Alloy CW624N UNI EN 12167
The profiles are extruded then polished mechanically. The outer surface must be protected from scratches and rubbing.
Resistance to chemical agents and mechanical stress is good. Parts of the brass in contact with the air are subject to oxidation, producing a film on the surface. In the presence of extreme humidity or corrosive agents, brass will oxidise quickly and marks may appear on the surface. Where necessary, it can be restored to its natural state with abrasives or special polishes.

Plasticised PVC

Plasticised PVC compound, lead-free, self-extinguishing. Stabilised, eco-compatible, based on Ca-Zn salts.

Safety Step

Self-adhesive films formed of abrasive particles held together by synthetic resins on a dimensionally stable polyester support (General Purpose). The back of the product is coated with pressure-sensitive adhesive protected by a tape release liner.

General note on metals

Aluminium, stainless steel and brass are not resistant to all chemical compounds. Consequently, contact with particularly aggressive products like hydrochloric acid (HCl) and phosphoric acid (H3P04) should be avoided.
Products generally used to clean stone, ceramic and porcelain tiles, such as muriatic acid, ammonia and bleach, damage the surface finish on the metal and can cause intense corrosion. Moreover, any residues of concrete, adhesive, and grouting materials must always be removed from the surface of the profiles as quickly and delicately as possible.
If adhesive tape is used to cover the profile, it must not be left any longer than an hour.

FIXING

Fixing with PP/96 adhesive (all metal profiles)

Remove the profile from the packaging.
Where present, also remove any protection (protective and/or shrink-wrapped film) added to protect the finish.
Measure the length required and cut the profile to this length using an appropriate tool.
Place the profile, cut to the right length, in position and fix it to the laying surface with a suitable adhesive (such as PP/96), making sure that the support is free of dirt and perfectly clean.
Press and hold evenly along the length of the profile to make sure it bonds correctly to the laying surface.

Fixing with neoprene adhesive (all PVC profiles)

Remove the profile from the packaging.
Where present, also remove any protection (protective and/or shrink-wrapped film) added to protect the finish.
Measure the length required and cut the profile to this length using an appropriate tool.
Place the profile, cut to the right length, in position and fix it to the laying surface with a neoprene adhesive, making sure the support is free of dirt and perfectly clean.
Press and hold evenly along the length of the profile to make sure it bonds correctly to the laying surface.

Fixing profiles with adhesive

Remove the profile from the packaging.
Where present, also remove any protection (protective and/or shrink-wrapped film) added to protect the finish.
Measure the length required and cut the profile to this length using an appropriate tool.
Pull off the protective film making sure that the surface onto which it will be placed is perfectly clean and not flaking.
Lay the profile in position, press and hold evenly along the full length to make sure it bonds correctly to the laying surface.

Laying perforated profiles with screws

Remove the profile from the packaging.
Where present, also remove any protection (protective and/or shrink-wrapped film) added to protect the finish.
Measure the length required and cut the profile to this length using an appropriate tool.
After cutting the profile to the right length, place in position and use a permanent marker to mark the exact position of the holes on the profile, where holes should be drilled.
Remove the profile and drill the floor in the exact positions that you marked previously being careful to check the exact size of the plugs needed.
Slot the plugs into the holes drilled in the floor, reposition the profile correctly and fix it to the wall using the right type of screws making sure that the support surface is perfectly clean.

CARE AND MAINTENANCE

Care and maintenance procedures for the materials used to make these profiles depends largely on the type of alloy and/or finish used.
The instructions provided below describe the operations to be performed on the profile to restore it as much as possible to its original condition.
The purpose of this document is to provide as many general indications as possible to guide you on when and how to clean the product, but they should also be verified on a case-by-case basis.
It should be pointed out there are specific responsibilities in each part of the product's life cycle, starting from when it is installed the first time.

Aluminium

No special maintenance is required and aluminium products can be easily treated with colourless alcohol in a water solution or using ordinary detergents, provided they do not contain acid (hydrochloric or hydrofluoric).
Detergent products made by multiple manufacturers and sold under a variety of commercial brands can generally be used for cleaning.
Generally speaking, there are three types of products:

- Alkaline
- Neutral
- Acid

For cleaning purposes, we recommend using a neutral detergent diluted in water then rinsing with water only, using a non-abrasive sponge and/or cloth to avoid scratching and/or damaging the anodized surface.
During cleaning, the following aspects must be kept in mind at all times:

- Do not use acid or alkaline detergents because they could damage the aluminium;
- Do not use products and/or abrasive materials;
- Do not use organic solvents on painted surfaces;
- Do not use detergents without first checking their chemical composition;
- Do not apply detergents straight onto the surface to be cleaned;
- Surfaces must be “cold” (max T°= 30°C) during cleaning and not exposed to direct sunlight;
- Detergents used in cleaning must also be “cold” (max T° = 30°C) and steam sprays should not be used.
- In any case, the final stage in the cleaning process is always sufficient rinsing of the parts treated with water. They must then be immediately dried using soft fabric or leather cloths. Polishes or similar products are not required.

Clean profiles carefully as soon as required, following the instructions on the product package, to prevent any residues of concrete, grout or similar substances from attacking the surface.

Stainless steel

Stainless steel surfaces can be polished with suitable, widely available products.
Stainless steel is easy to clean and extremely hygienic; the smooth, non-porous surface makes the adhesion and survival of bacteria and/or other micro-organisms.
To keep stainless steel perfectly maintained, there are just a few simple rules: wash with soap and warm water, rinse well then dry with a soft cloth.
For surfaces exposed to atmospheric agents and attack, we recommend cleaning the stainless steel profile regularly to maintain the surface unaltered and prevent corrosion.
Surfaces with a brushed finish should always be cleaned in the direction of the brushing and not at an angle to it.
In the event of scratches, use a detergent/polish made specifically for stainless steel, and a soft cloth.
For cleaning, do not use any of the following:

- detergents containing hydrochloric acid (also known as muriatic acid), hydrofluoric acid or bleach; avoid direct contact on surfaces with detergents containing chlorides, unless the contact is short and the surface is well-rinsed afterwards.
- abrasive powdered detergents which could damage the surface finish of the profile.

Do not leave mild steel objects or utensils (like brushes or steel wool normally used to remove residues of mortar or similar products) in contact with stainless steel profiles for extended lengths of time. They could transfer iron particles (contamination) and trigger rust on the surface.
Do not leave damp cloths or sponges for extended lengths of time on the stainless steel surface to prevent the formation of unsightly water marks.

Brass

Brass does not require special maintenance: it can be easily cleaned with alcohol diluted in water or ordinary detergents, provided they are not acid-based. Water can be used with added neutral detergents and the final rinse with water alone. Use non-abrasive sponges or cloths which will not scrape the surface. Use polishes that are commonly available.

PVC

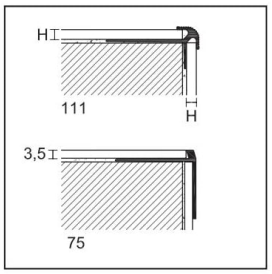
Does not need any special maintenance; they can be easily treated with colourless alcohol diluted in water or using normal detergents, provided they are not acid or alkaline based and also diluted in water; use only water for the final rinse.
Use non-abrasive sponges or cloths which will not scrape the surface.

FIRE PREVENTION MEASURES

In the event of fire, use chemical fire extinguishers, dry sand or solid extinguishing agents.

NOTES

These profiles must be handled with caution, being careful to wear suitable gloves to prevent injury and/or cuts to the hands.
The instructions and specifications provided here are the product of our experience but are only a guide, should not be considered exhaustive and must be confirmed by extensive practical applications.
Profilpas declines any responsibility for damage to people or things resulting from improper use of the product.
Users must establish for themselves if the product is suitable for the required used and they bear full responsibility for any incorrect installation of the material.

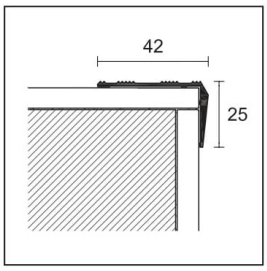


PROTECT

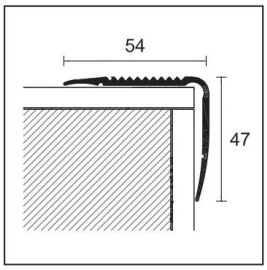
length =270 cm - pack 20 pcs		H			
ART.	**finishing**	**2,5**	**4,5**	**5**	**6**
ALUMINIUM					
111/ /F	silver anodised	75782	75784	75785	75786

PROTECT

length = 340 cm - pack 20 pcs		H
ART.	**finishing**	**3,5**
ALUMINIUM		
75/F	silver anodised	75388



70/



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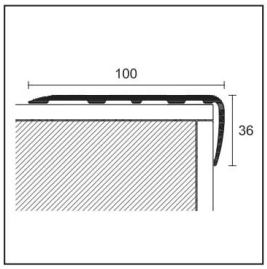


130/

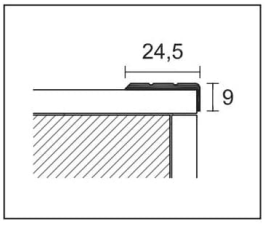
PROTECT

pack		20		10 pcs / blister	
length cm		340		113	166
ART.		**70/**		**470/**	
finishing	**F**	**SF**	**A**	**CV**	**CV**
ALUMINIUM					
silver anodised	75328	75329	75358	21560	21564
gold anodised	75338	-	75368	-	-

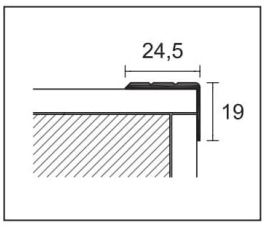
art. 70/ individually packed

PROTECT

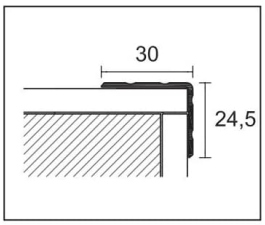
pack	10 pcs		8 pcs	
length cm	340		270	
ART.	**71/**		**130/**	
finishing	**F**	**SF**	**F**	**SF**
ALUMINIUM				
silver anodised	64067	64066	75804	75805



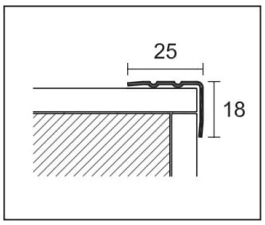
73/



74/



58/



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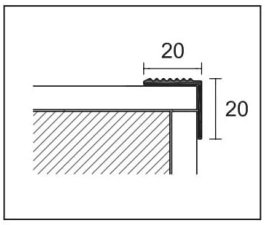
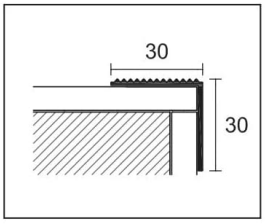


87/
370/



373/

PROTECT

pack		30 pcs			10 pcs / blister			
length cm		270			90		100	-
ART.		**73/**			**473/**			-
finishing		**F**	**SF**	**A**	**CV**	**AD**	**CV**	-
ALUMINIUM								
silver anodised		75208	75209	75238	21422	21434	00337	-
gold anodised		75218	-	75248	21423	21435	00338	-
bronze anodised		-	-	75258	-	-	-	-

pack		20 pcs.		30 pcs			10 pcs / blister			20 pcs
ART.		**58/**		**74/**			**474/**			**74/I**
finishing		**A**	-	**F**	**SF**	**A**	**CV**	**AD**	**CV**	**F**
ALUMINIUM										
silver anodised		75900	-	75268	75269	75298	21512	21524	00390	-
gold anodised		-	-	75278	-	75308	21513	21525	00392	-
bronze anodised		-	-	-	-	75318	-	-	-	-
titanium anodised		-	-	-	-	75299	-	-	-	-
length cm										270
STAINLESS STEEL										
satin stainless steel AISI 304 DIN 1.4301		-	-	-	-	-	-	-	-	75275

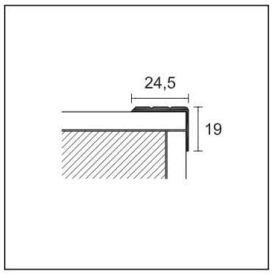
art. 73/, 58/ and 74/ individually packed

PROTECT

pack		30 pcs			10 pcs / blister	
length cm		340			113	
ART.		**87/**			**487/**	
finishing		**F**	**SF**	**A**	**CV**	**AD**
ALUMINIUM						
silver anodised		75108	75109	75138	22615	22641

pack		10 pcs			5 pcs	
length cm		270			270	
ART.		**370/**			**373/**	
finishing		**F**	**SF**	**A**	**F**	**A**
BRASS						
polished		-	75169	75178	75188	75198

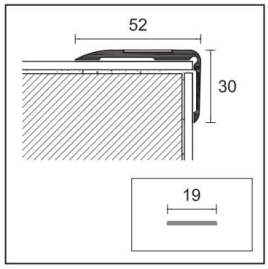
art. 87/ and 370/ individually packed



74/

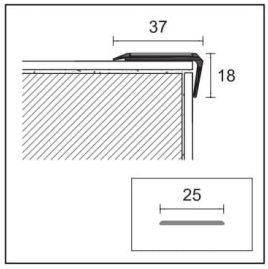
PRESTOWOOD		
pack		10 pcs
length cm		270
ART.		**74/A**
finishing		
ALUMINIUM covered with ALCROM® PLUS film		
	10	75319
	12	75297
	13	75301
	20	75320
	32	75303
	36	75304
	37	75305
	38	75306
	40	75322
	47	75307
	65	75294
	71	75309
	76	75334
	78	75311
	80	75326
	92	75312
	94	75313
	95	75314

individually packed



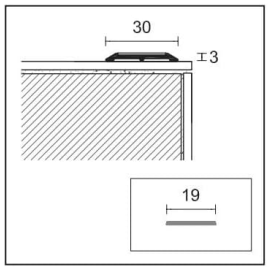
76/

PROTECT				
pack		10 pcs	5 pcs / blister	
length cm		340	113	
ART.		**76/**	**476/**	
finishing		**F**	**CV**	**AD**
ALUMINIUM				
silver anodised		75448	21680	21696
SLIP-RESISTANT ROLL				
length = 1820 cm - width mm 4 rolls pack -			**19**	
black			23002	



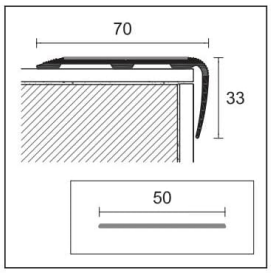
124/

PROTECT		
length = 270 cm - pack 24 pcs		
ART.		**124/**
finishing		**F**
ALUMINIUM		
silver anodised		75794
SLIP-RESISTANT ROLL		
length = 1820 cm - width mm 4 rolls pack -		**25**
black		23004



110/

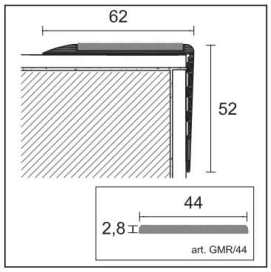
PROTECT		
length = 270 cm - pack 24 pcs		
ART.		**110/**
finishing		**F**
ALUMINIUM		
silver anodised		75780
SLIP-RESISTANT ROLL		
length = 1820 cm - width mm 4 rolls pack -		**19**
black		23002



80/

PROTECT

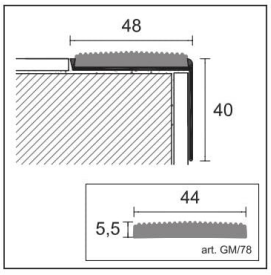
length = 340 cm - pack 10 pcs		
ART.		**80/**
finishing		**F**
ALUMINIUM		
silver anodised		64077
SLIP-RESISTANT ROLL		
length = 1820 cm - width mm 2 rolls pack -		**50**
black		23006



126/

PROTECT

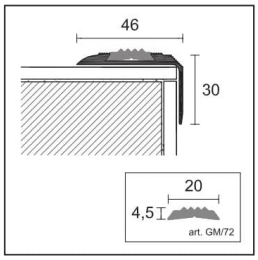
length = 270 cm - pack 6 pcs		
ART.		**126/**
finishing		**F**
ALUMINIUM		
silver anodised		75798
GROOVED RUBBER		
length = 1700 cm - 1 rolls pack		
ART.		**GMR/44**
black		75706



78/

PROTECT

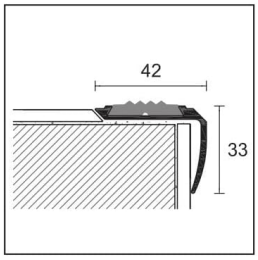
length = 340 cm - pack 20 pcs		
ART.		**78/**
finishing		**F**
ALUMINIUM		
silver anodised		75578
GROOVED RUBBER		
length = 1700 cm - 2 rolls pack		
ART.		**GM/78**
black		75635



72/

PROTECT

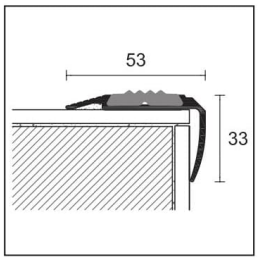
length = 340 cm - pack 10 pcs		
ART.		**72/**
finishing		**F**
ALUMINIUM		
silver anodised		75508
gold anodised		75518



79/F + GM/R

GROOVED RUBBER

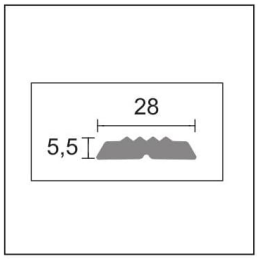
length = 3400 cm - 2 rolls pack		
ART.		**GM/72**
black		75565



125/F + GM/R

PROTECT

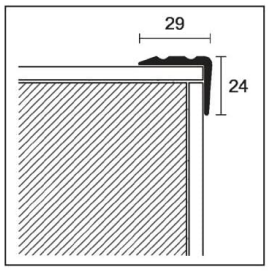
pack		10	10
length cm		340	270
ART.		**79/**	**125/**
finishing		**F**	**F**
ALUMINIUM			
silver anodised		75728	75796



GM/R

GROOVED RUBBER

length = 3400 cm - 2 rolls pack		
ART.		**GM/R**
black		75705



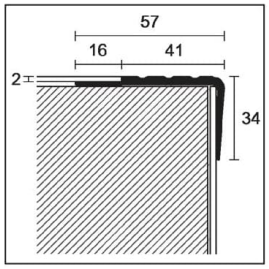
150

PROTECT

length = 300 cm - pack 15 pcs

ART.	finishing		
PVC			
	black		19100
150	grey		19101
	brown		19102

no partial packaging



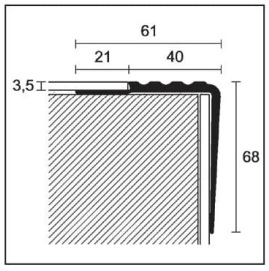
151

PROTECT

length = 300 cm - pack 15 pcs

ART.	finishing		
PVC			
	black		19110
151	grey		19111
	brown		19112

no partial packaging



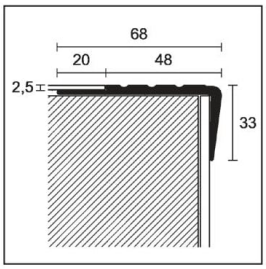
152

PROTECT

length = 300 cm - pack 15 pcs

ART.	finishing		
PVC			
	black		19120
152	grey		19121
	brown		-

no partial packaging



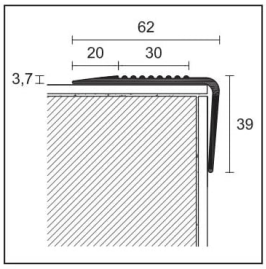
154

PROTECT

length = 300 cm - pack 15 pcs

ART.	finishing		
PVC			
	black		19140
154	grey		19141
	brown		-

no partial packaging



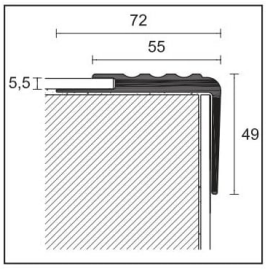
155

PROTECT

length = 300 cm - pack 15 pcs

ART.	finishing		
PVC			
	black		19150
155	grey		19151
	brown		19152

no partial packaging



156

PROTECT

length = 300 cm - pack 10 pcs

ART.	finishing		
PVC			
	black		19160
156	grey		19161
	brown		19162

no partial packaging

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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For the most current product data and BEST-BACKED[SM] warranty information, visit www.mapei.com.

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