# 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

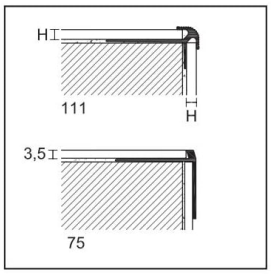
Does not need any special maintenance; they can be easily treated with colourless alcohol diluted in water or using normal detergents, provided they are not acid or alkaline based and also diluted in water; use only water for the final rinse.
Use non-abrasive sponges or cloths which will not scrape the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

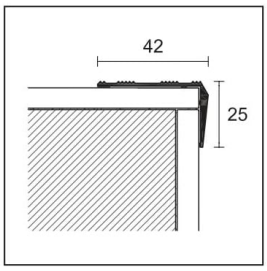



**PROTECT**

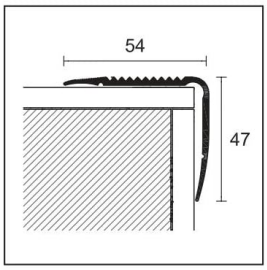
| length =270 cm - pack 20 pcs | | H | | | |
|---|---|---|---|---|---|
| **ART.** | **finishing** | **2,5** | **4,5** | **5** | **6** |
| **ALUMINIUM** | | | | | |
| 111/ /F | silver anodised | 75782 | 75784 | 75785 | 75786 |

**PROTECT**

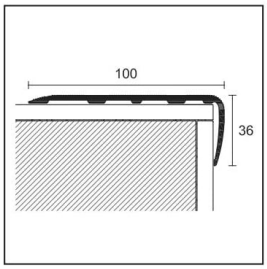
| length = 340 cm - pack 20 pcs | | H |
|---|---|---|
| **ART.** | **finishing** | **3,5** |
| **ALUMINIUM** | | |
| 75/F | silver anodised | 75388 |




70/




71/




130/

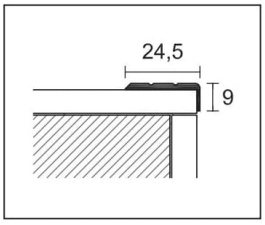
**PROTECT**

| 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 | - | - |

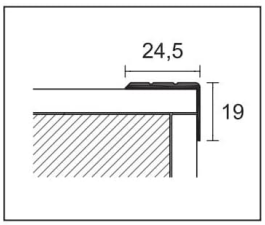
art. 70/ individually packed

**PROTECT**

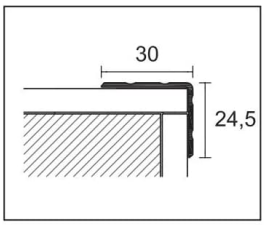
| pack | 10 pcs | | 8 pcs | |
|---|---|---|---|---|
| length cm | 340 | | 270 | |
| **ART.** | **71/** | | **130/** | |
| **finishing** | **F** | **SF** | **F** | **SF** |
| **ALUMINIUM** | | | | |
| silver anodised | 64067 | 64066 | 75804 | 75805 |



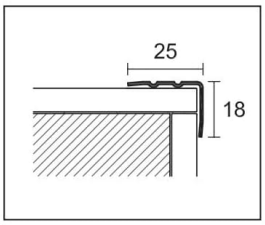

73/



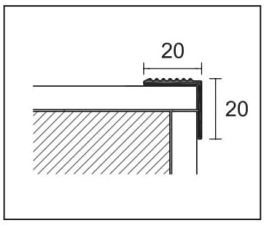

74/



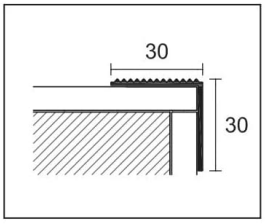

58/




74/IF




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 |

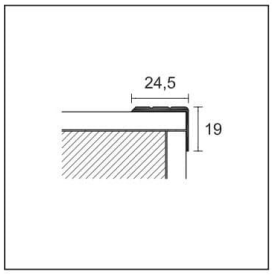
art. 73/, 58/ and 74/ individually packed

**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 |

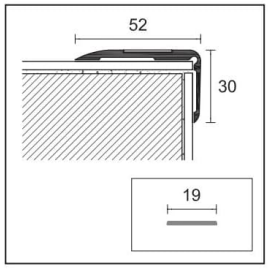
art. 87/ and 370/ individually packed




74/

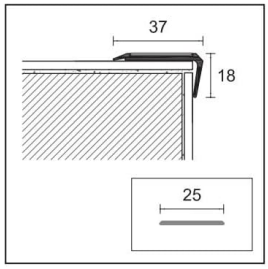
| PRESTOWOOD | | |
|---|---|---|
| pack | | 10 pcs |
| length cm | | 270 |
| **ART.** | | **74/A** |
| **finishing** | | |
| **ALUMINIUM covered with ALCROM® PLUS film** | | |
| | 10 | 75319 |
| | 12 | 75297 |
| | 13 | 75301 |
| | 20 | 75320 |
| | 32 | 75303 |
| | 36 | 75304 |
| | 37 | 75305 |
| | 38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

individually packed



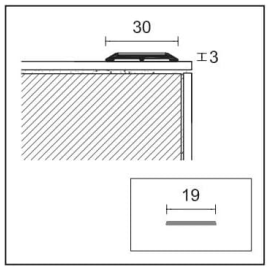

76/

| 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 | |



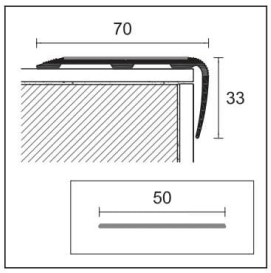

124/

| 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/

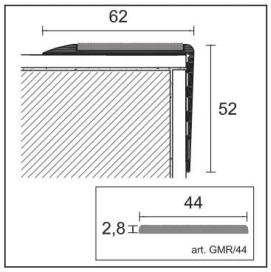
| PROTECT | | |
|---|---|---|
| length = 270 cm - pack 24 pcs | | |
| **ART.** | | **110/** |
| **finishing** | | **F** |
| **ALUMINIUM** | | |
| silver anodised | | 75780 |
| **SLIP-RESISTANT ROLL** | | |
| length = 1820 cm - width mm 4 rolls pack - | | **19** |
| black | | 23002 |




80/

**PROTECT**

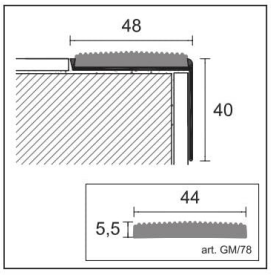
| length = 340 cm - pack 10 pcs | | |
|---|---|---|
| **ART.** | | **80/** |
| **finishing** | | **F** |
| **ALUMINIUM** | | |
| silver anodised | | 64077 |
| **SLIP-RESISTANT ROLL** | | |
| length = 1820 cm - width mm 2 rolls pack - | | **50** |
| black | | 23006 |




126/

**PROTECT**

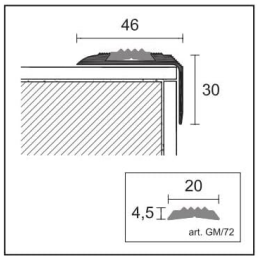
| length = 270 cm - pack 6 pcs | | |
|---|---|---|
| **ART.** | | **126/** |
| **finishing** | | **F** |
| **ALUMINIUM** | | |
| silver anodised | | 75798 |
| **GROOVED RUBBER** | | |
| length = 1700 cm - 1 rolls pack | | |
| **ART.** | | **GMR/44** |
| black | | 75706 |




78/

**PROTECT**

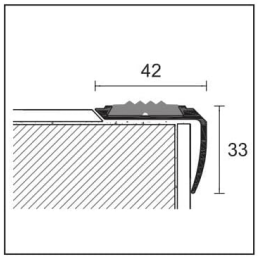
| length = 340 cm - pack 20 pcs | | |
|---|---|---|
| **ART.** | | **78/** |
| **finishing** | | **F** |
| **ALUMINIUM** | | |
| silver anodised | | 75578 |
| **GROOVED RUBBER** | | |
| length = 1700 cm - 2 rolls pack | | |
| **ART.** | | **GM/78** |
| black | | 75635 |




72/

**PROTECT**

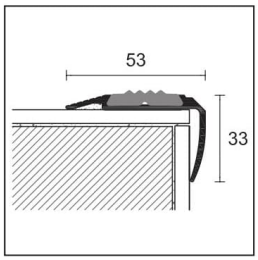
| length = 340 cm - pack 10 pcs | | |
|---|---|---|
| **ART.** | | **72/** |
| **finishing** | | **F** |
| **ALUMINIUM** | | |
| silver anodised | | 75508 |
| gold anodised | | 75518 |




79/F + GM/R

**GROOVED RUBBER**

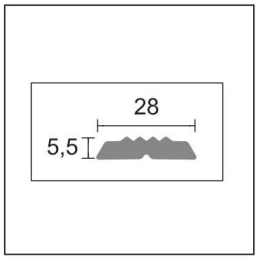
| length = 3400 cm - 2 rolls pack | | |
|---|---|---|
| **ART.** | | **GM/72** |
| black | | 75565 |




125/F + GM/R

**PROTECT**

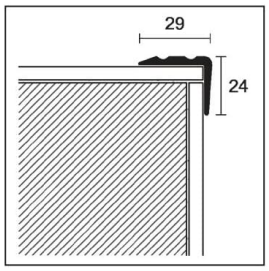
| | | | |
|---|---|---|---|
| pack | | 10 | 10 |
| length cm | | 340 | 270 |
| **ART.** | | **79/** | **125/** |
| **finishing** | | **F** | **F** |
| **ALUMINIUM** | | | |
| silver anodised | | 75728 | 75796 |




GM/R

**GROOVED RUBBER**

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



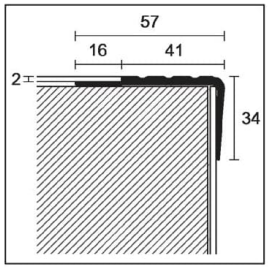

150

**PROTECT**

length = 300 cm - pack 15 pcs

| ART. | finishing | | |
|---|---|---|---|
| **PVC** | | | |
| | black | | 19100 |
| 150 | grey | | 19101 |
| | brown | | 19102 |

no partial packaging



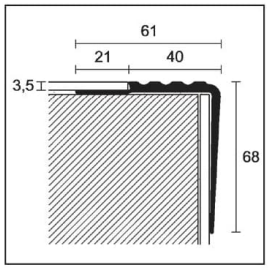

151

**PROTECT**

length = 300 cm - pack 15 pcs

| ART. | finishing | | |
|---|---|---|---|
| **PVC** | | | |
| | black | | 19110 |
| 151 | grey | | 19111 |
| | brown | | 19112 |

no partial packaging



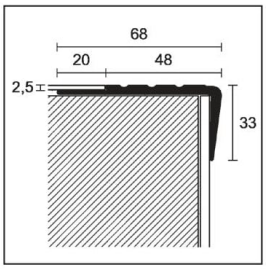

152

**PROTECT**

length = 300 cm - pack 15 pcs

| ART. | finishing | | |
|---|---|---|---|
| **PVC** | | | |
| | black | | 19120 |
| 152 | grey | | 19121 |
| | brown | | - |

no partial packaging



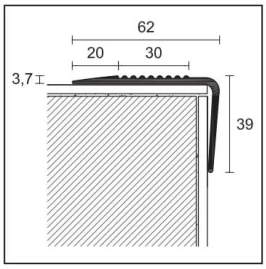

154

**PROTECT**

length = 300 cm - pack 15 pcs

| ART. | finishing | | |
|---|---|---|---|
| **PVC** | | | |
| | black | | 19140 |
| 154 | grey | | 19141 |
| | brown | | - |

no partial packaging



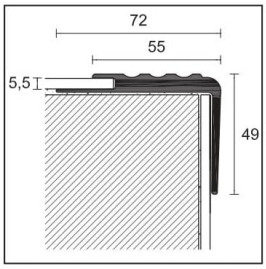

155

**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

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**Edition Date: October 31, 2023** **MK 13356-13331-13345-13346-13273-13347-13274-13275-13276-13348-13277-13278-13349-13279-13280 (24-2089)**

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

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