

PROSTAIR

Stair nosing profiles



DESCRIPTION

Prostair is a full system of profiles and relative fixing accessories to anchor stair rods. Fixing accessories allow stair rods to be quickly removed for cleaning or replacement purposes.

MATERIALS

Polished aluminium

Al-Mg-Si aluminium, heat-treated in T6 (6463 T6).

The profiles are extruded then treated and machined. Relatively good resistance to chemical and atmospheric agents is guaranteed. 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 cleaned to remove any concrete, adhesive or grouting substances and detergents. Do not use polished aluminium profiles on floors and outdoors.

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.

Chrome-plated brass

Alloy CW624N UNI EN 12167

The profiles are extruded and then chrome-plated. Resistant to UV, chemical and atmospheric agents. Do not use chrome-plated profiles in areas subject to intense foot traffic.

General note on metals

Aluminium and brass are not resistant to all chemical compounds. Consequently, contact with particularly aggressive products like hydrochloric acid (HCl) and phosphoric acid (H₃PO₄) 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

Laying bars

Remove the product from the packaging.

Check it is the right size and compatible with the accessories.

Attach any ball finials to the bar.

Insert the bar into the side supports or brackets previously secured to the stairs.

Installing and accessories

Remove the product from the packaging.

Check it is the right size and compatible with the bar.

Place the accessories in position and secure to the stair with the correct screws.

Fitting brackets

Remove the product from the packaging.

Check they are the right size and compatible with the bar.

Secure the brackets by screwing them to the stair.

Fitting ball finials

Remove the product from the packaging.

Check they are the right size and compatible with the bar.

Fix the ball finials to the bar using a rubber hammer so as not to cause any damage.

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.

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.

FIRE PREVENTION MEASURES

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

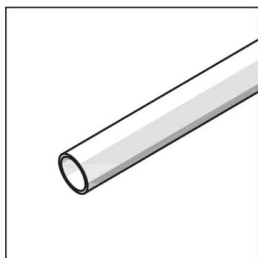
NOTES

These profiles must be handled with caution, being careful to wear suitable gloves to prevent injury and/or cuts to the hands.

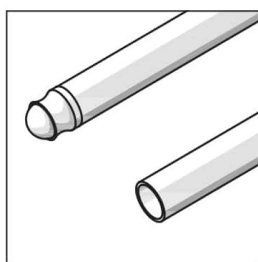
The instructions and specifications provided here are the product of our experience but are only a guide, should not be considered exhaustive and must be confirmed by extensive practical applications.

Profilpas declines any responsibility for damage to people or things resulting from improper use of the product.

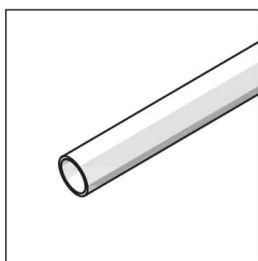
Users must establish for themselves if the product is suitable for the required used and they bear full responsibility for any incorrect installation of the material.



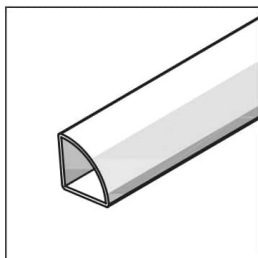
151/11



150/



163/



155/16

PROSTAIR

length = 380 cm - diameter 11 - pack 20 pcs

ART. finishing**ALUMINIUM****151/11** bright polished silver  78430**PROSTAIR**

pack 20 pcs

length cm **80 90 100 120 380****ART. finishing****ALUMINIUM****diameter****11** 78311 78312 78313 78314 78319**150/** bright polished gold  **13** 78321 - 78323 - 78329**16** - - - - 78339pack 10 pcs / blister **4150/11/S** bright polished gold  **11** 21810 21811 21812 - -

articles 150/11, 150/13 and 150/16 of 380 cm partial packaging available and without knobs, for other articles no partial packaging - article 150/13 of 380 cm pack 40 pcs - article 150/16 of 380 cm pack 25 pcs

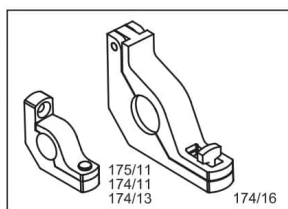
PROSTAIRpack **10 pcs 10 pcs 10 pcs**

length = 380 cm

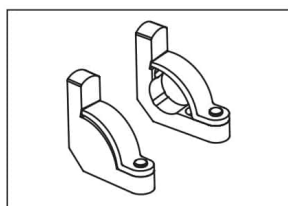
finishing**BRASS****diameter****11****13****16****163/** polished  78801 78802 78803**OTHER PROFILES**

length = 300 cm - pack 20 pcs

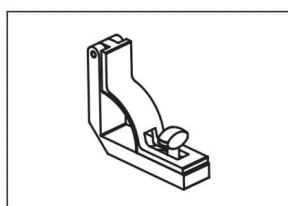
ART. finishing**16x16****ALUMINIUM****155/16** bright polished gold  78379



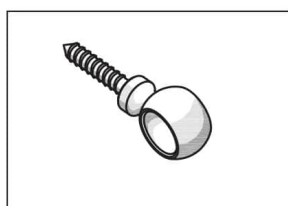
175/11 + 174/



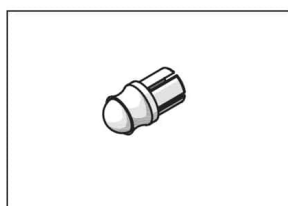
177/16



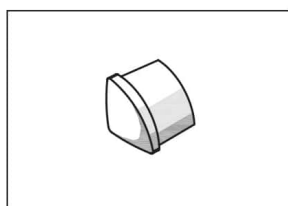
178/16



171/ + 170/



161/11 + 169/



168/16

ACCESSORIES - BRACKETS

pack 20 pcs		diameter		
ART.	finishing	11	13	16
BRASS				
175/11	chromium plated	78445	-	-
pack 20 pcs				
174/	polished	78410	-	78412
pack 10 couples 2 pcs dx/sx				
177/16	polished	-	-	78415
pack 20 pcs		measures		
		16x16		
178/16	polished	78420		

ACCESSORIES - RINGS

pack 20 pcs		diameter		
ART.	finishing	11	13	16
BRASS				
171/11	chromium plated	78440	-	-
pack 20 pcs				
170/	polished	78400	78401	78402
10 blister packs/ 4 pcs/blister				
4170/ /S	polished	21852	-	-

no partial packaging

ACCESSORIES - KNOBS

pack 20 pcs		diameter		
ART.	finishing	11	13	16
BRASS				
161/11	chromium plated	78435	-	-
pack 20 pcs				
169/	brass (for aluminium and brass profiles)	78395	78396	78397
pack 20 pcs		16x16		
168/16	polished	78418		

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.**

CONTACT INFORMATION

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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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