

ALFIX 616

Profiles for Wood and Laminate Floors



DESCRIPTION

Afix 616 offers a professional solution for installing wood and laminate floors ranging from 1/4" to 5/8" (6 to 16 mm) in thickness. This system is composed of an aluminum cover profile that securely attaches to a natural aluminum base. Included in the package are screws that match the anodization color, seamlessly integrating into the cover profile upon tightening, thereby ensuring a cohesive and visually appealing finish.

MATERIALS

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.

General note on metals

Aluminum is 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 Alfix base profile (refer to the label).
2. Measure the length required and cut the base profile to this length using an appropriate tool.
3. The base profile can be fixed to the floor using:

A suitable adhesive: For this installation technique, make sure that the area where the profile is to be placed is free of dirt and perfectly clean. Lay the profile, leaving a space to insert the flooring and also for any expansion (about 3/16" or 4.5 mm). Press down on the profile to push the previously leveled adhesive up through the holes in the lip.

Screws and plugs: For this installation technique, make sure that the area where the profile is to be placed is free of dirt and perfectly clean. Place the profile 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. Place the plugs into the holes in the floor. Place the profile back into the correct position, leaving the space needed to insert the flooring and room for any expansion (about 3/16" or 4.5 mm). Now use suitable screws to secure the profile.

4. Measure the length needed and cut the cover profile to be placed onto the base profile. Place the cover profile on the base, which is already in position, and use a rubber mallet on the cover profile until it is fully aligned with the floor, paying attention to not damage the cover in the operation.

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 painted 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.

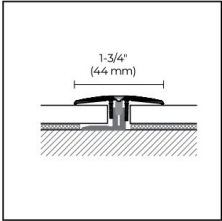
Ensure quick and precise cleaning of the profile following the instructions on the product's packaging to prevent the accumulation of cement deposits, caulk or similar substances that could damage the surface layers.

FIRE-CONTROL MEASURES

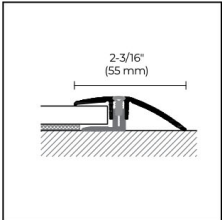
In case of fire, extinguish with fire-fighting chemical products, dry sand or solid fire-extinguishing agents.

NOTE

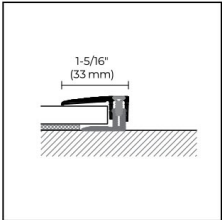
MAPEI profiles should be handled with care, and it is important to use suitable gloves to prevent cuts or injuries to the hands. The instructions provided here are based on our own experience and are for informational purposes only. It is crucial to confirm these instructions through practical experience. 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.



FIX/J/44



FIX/L/55



FIX/T/33

ALFIX 616

Package	10 pcs	10 pcs / blister 	
Length	8' 10" (270 cm)	36" (90 cm)	39-3/8" (100 cm)
Item	FIX/J/44		
For floor thicknesses 1/4" to 5/8" (6 to 16 mm)			
Finish			
ALUMINUM			
Silver anodized	 37010	37012	37014
Sand gold anodized	 37210	37212	–
\$/pc			
Titanium anodized	 37410	–	37414
Elox bronze anodized	 37310	37312	37314
\$/pc			
Individually packaged			

ALFIX 616

Package	10 pcs	10 pcs / blister 		
Length	8' 10" (270 cm)	36" (90 cm)	39-3/8" (100 cm)	
Item	FIX/L/55			
For floor thicknesses 1/4" to 5/8" (6 to 16 mm)				
Finish				
ALUMINUM				
Silver anodized		37040	37042	37044
Sand gold anodized		37240	37242	37244
\$/pc				
Titanium anodized		37440	37442	37444
Elox bronze anodized		37340	—	—
\$/pc				
Individually packaged				

ALFIX 616

Package	10 pcs	10 pcs / blister 	
Length	8' 10" (270 cm)	36" (90 cm)	39-3/8" (100 cm)
Item	FIX/T/33		
For floor thicknesses 1/4" to 5/8" (6 to 16 mm)			
Finish			
ALUMINUM			
Silver anodized	 37070	–	37074
Sand gold anodized	 37270	37272	–
\$/pc			
Titanium anodized	 37470	–	37474
Elox bronze anodized	 –	–	37374
\$/pc			
Individually packaged			

ADDITIONAL INFORMATION

For information on MAPEI’s commitment to sustainability and transparency, as well as how MAPEI products may contribute to green building standards and certification systems, contact sustainability_USA@mapei.com (USA) or sustainability-durabilite@mapei.com (Canada).

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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