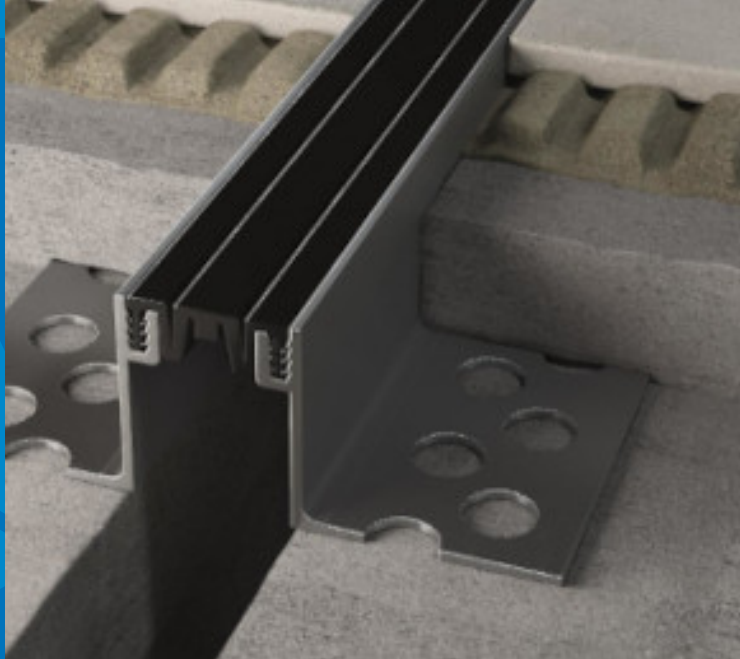


CERFIX PROJOINT DIL PBE

Movement joints



DESCRIPTION

Projoint DIL PBE is a load-bearing structural joint composed of two opposing L-shaped profiles in natural aluminium and an expanding part (+/- 5 mm) in interchangeable plasticized PVC available in black or grey. The two L-shaped structures are provided with drilled bases (diam. 10 mm) to allow the mechanical fixing with screws included in the supply.

Load capacity for pedestrians, light trolleys, stretchers and cars up to 6,8 kN, for trucks up to 35 kN with maximum load on the pneumatic wheel of 9,8 kN.

The height of the profile must be $0.5 \div 1$ mm equal or lower than the tile thickness, never higher than it.

The use of the joint must be verified considering the chemical, mechanical or other stresses of the place where it is installed.

The regulations concerning the joints and the distance between them must be indicated by the project architect or the work supervisor (with reference to the regulations of the country).

MATERIALS

Natural aluminium

Al-Mg-Si aluminium, heat-treated in T6 (6060 T6)

The outer surface must be protected from scratches and rubbing. 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.

Plasticized PVC

Plasticised PVC compound, lead-free, self-extinguishing. Stabilised, eco-compatible, based on Ca-Zn salts. Resistant to temperatures between -20°C and +60°C.

General note on metals

Aluminium is 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.

INSTALLATION

Remove the profile from the packaging.

Measure the length required and cut the profile to this length using an appropriate tool.

Fix the profile to the substrate by using mechanical dowels (included in the supply) in the measure of 7 every meter (one every 30 cm), alternating them on the bases of the profile.

Lay the tiles near the joint so that the profile edge is flush with the tile edge and at the right distance to leave the necessary gap for the sealing.

Fill any gaps left between the tile and the profile with a suitable grout.

Remove any excess grout, adhesive, solvents etc. with a soft sponge and water within ten minutes of application.

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.

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

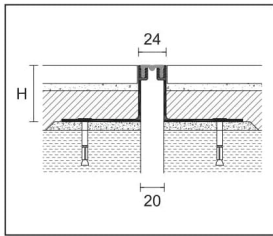
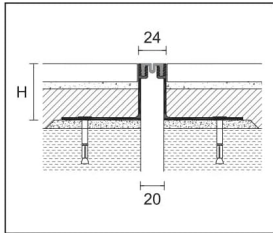
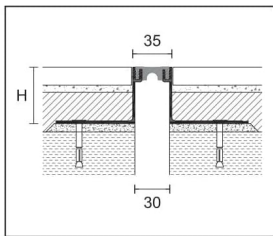
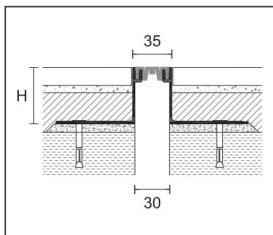
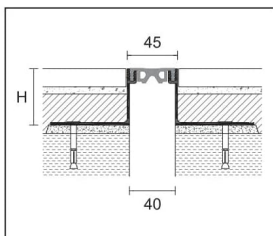
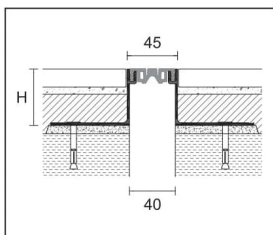
In the event of fire, use chemical fire extinguishers, dry sand or solid extinguishing agents.

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.

PBE/20
smooth rubberPBE/20
striated rubberPBE/30
smooth rubberPBE/30
striated rubberPBE/40
smooth rubberPBE/40
striated rubber**PROJOINT DIL**

length = 300 cm - pack 5 pcs

		H				
ART.	finishing	14	24	42	50	82
ALUMINIUM						
	natural aluminium + smooth grey rubber	99321	99322	99323	99324	99325
	natural aluminium + smooth black rubber	99326	99327	99328	99329	99330
PBE/20/						
	natural aluminium + striated grey rubber	99331	99332	99333	99334	99335
	natural aluminium + striated black rubber	99336	99337	99338	99339	99340

no partial packaging - profiles are provided with accessories for mechanical fixing



smooth rubber



striated rubber

PROJOINT DIL

length = 300 cm - pack 5 pcs

		H				
ART.	finishing	14	24	42	50	82
ALUMINIUM						
	natural aluminium + smooth grey rubber	99341	99342	99343	99344	99345
	natural aluminium + smooth black rubber	99346	99347	99348	99349	99350
PBE/30/						
	natural aluminium + striated grey rubber	99351	99352	99353	99354	99355
	natural aluminium + striated black rubber	99356	99357	99358	99359	99360

no partial packaging - profiles are provided with accessories for mechanical fixing



smooth rubber



striated rubber

PROJOINT DIL

length = 300 cm - pack 5 pcs

		H				
ART.	finishing	14	24	42	50	82
ALUMINIUM						
	natural aluminium + smooth grey rubber	99361	99362	99363	99364	99365
	natural aluminium + smooth black rubber	99366	99367	99368	99369	99370
PBE/40/						
	natural aluminium + striated grey rubber	99371	99372	99373	99374	99375
	natural aluminium + striated black rubber	99376	99377	99378	99379	99380

no partial packaging - profiles are provided with accessories for mechanical fixing



smooth rubber



striated rubber

We suggest the use of the black insert.

ADDITIONAL INFORMATION

Refer to the Safety Data Sheet (SDS) for specific data related to health and safety as well as product handling.

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-durabilite@mapei.com.

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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Edition Date: May 17, 2024 MK 13380 (24-1981)

For the most current product data and BEST-BACKEDSM warranty information, visit www.mapei.com.

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