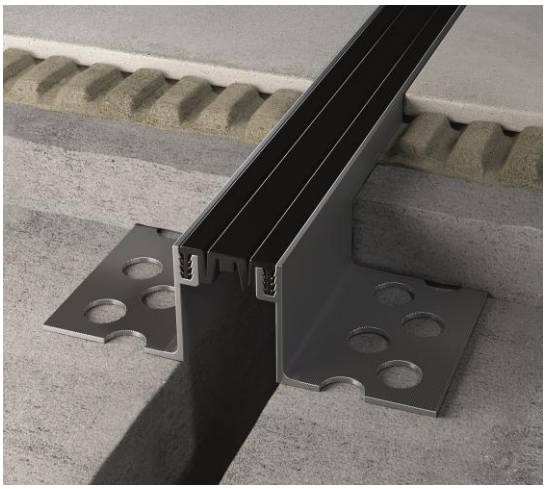
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## Movement joints

# Cerfix® Projoint DIL

# PBE

## 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÷1mm 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 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 (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.

## Installation

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

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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

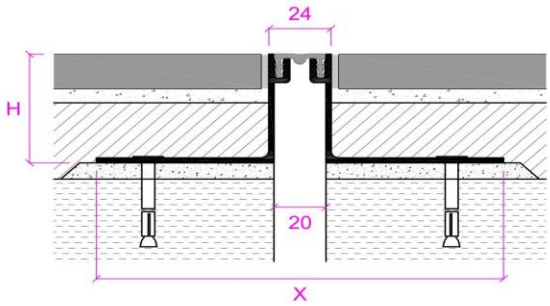
In the event of fire, use chemical fire extinguishers, dry sand or solid extinguishing agents.

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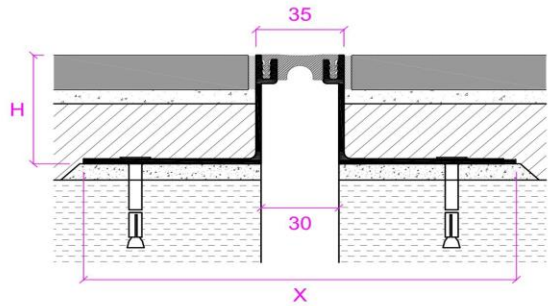
## Notes

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.

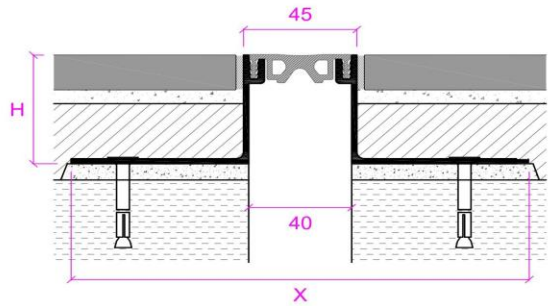
## PROJOINT DIL PBE




| | H mm | X mm |
|---|---|---|
| PBE/20/14 | 14 | 105 |
| PBE/20/24 | 24 | 105 |
| PBE/20/42 | 42 | 120 |
| PBE/20/50 | 50 | 160 |
| PBE/20/82 | 82 | 130 |



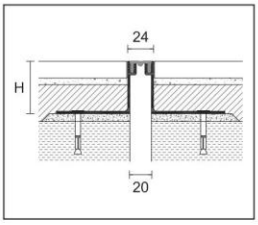

| | H mm | X mm |
|---|---|---|
| PBE/30/14 | 14 | 115 |
| PBE/30/24 | 24 | 115 |
| PBE/30/42 | 42 | 130 |
| PBE/30/50 | 50 | 170 |
| PBE/30/82 | 82 | 140 |



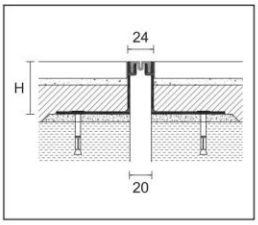

| | H mm | X mm |
|---|---|---|
| PBE/40/14 | 14 | 125 |
| PBE/40/24 | 24 | 125 |
| PBE/40/42 | 42 | 140 |
| PBE/40/50 | 50 | 180 |
| PBE/40/82 | 82 | 150 |

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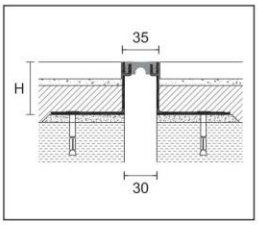
## PROJOINT DIL PBE



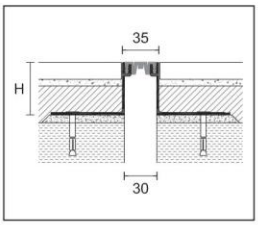

PBE/20
smooth rubber



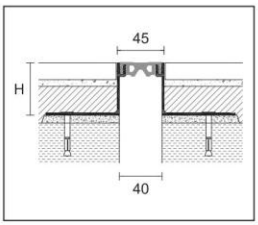

PBE/20
striated rubber



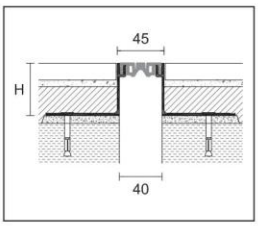

PBE/30
smooth rubber




PBE/30
striated rubber




PBE/40
smooth rubber




PBE/40
striated rubber

**PROJOINT DIL**

| length = 300 cm - pack 5 pcs | | | H | | | | |
|---|---|---|---|---|---|---|---|
| **ART.** | **finishing** | | **14** | **24** | **42** | **50** | **82** |
| **ALUMINIUM** | | | | | | | |
| **PBE/20/** | natural aluminium + smooth grey rubber | | 99321 | 99322 | 99323 | 99324 | 99325 |
| | natural aluminium + smooth black rubber | | 99326 | 99327 | 99328 | 99329 | 99330 |
| | 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** | | | | | | | |
| **PBE/30/** | natural aluminium + smooth grey rubber | | 99341 | 99342 | 99343 | 99344 | 99345 |
| | natural aluminium + smooth black rubber | | 99346 | 99347 | 99348 | 99349 | 99350 |
| | 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** | | | | | | | |
| **PBE/40/** | natural aluminium + smooth grey rubber | | 99361 | 99362 | 99363 | 99364 | 99365 |
| | natural aluminium + smooth black rubber | | 99366 | 99367 | 99368 | 99369 | 99370 |
| | 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.