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Movement joints

Cerfix® Projoint DIL

NAN – NPAN

NIN - NIL

Description

PROJOINT DIL is a range of movement joints for floors which are regularly subject to expansion/movement.
They are especially suitable for large surface areas, along the movement joints in the concrete slab to absorb expansion and/or contraction movements and deaden vibrations.

Profiles in natural aluminium NAN – NPAN with PVC insert for the creation of elastic joints during the laying of ceramic tiled floors which are subject to foot and vehicle traffic. The rubber insert is replaceable.

Profiles in stainless steel NIN – NIL with PVC insert for the creation of elastic joints during the laying of ceramic floors which are subject to intense foot and vehicle traffic.
They offer excellent protection for tile edges. When necessary, the elastic insert can be replaced.

The expansion area of PROJOINT DIL profiles is composed of a thermoplastic elastomer with high flexibility. The material can withstand contacts or stresses of chemicals such as alkaline products, acidic cleansers or de-icing salts which are normally used on ceramic tile floors.

The perforated flanges guarantee perfect grip between the concrete slab (previously laid in sections), PROJOINT DIL and the tiles.
Profile depth must be equal or 0.5-1mm less than the tile depth, never greater.
The choice of joint will depend on chemical, mechanical or any other kind of stress in the application environment.

Details of joint specifications and distance between them must be specified by an engineer or are laid down in Leg. Decree (UNI 11493-1 section 8.7).

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.

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.

Co-extruded PVC - Plasticised/Plasticised

Plasticised PVC compound, lead-free, self-extinguishing. Stabilised based on Ca-Zn salts.

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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, grouting materials and detergents 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.

Laying

Laying with adhesive

Remove the profile from the packaging.
Check that the depth of the floor/covering to be laid is not greater than the depth of the profile (see label).
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.
Level the adhesive on the laying surface using a toothed spreader.
Press the perforated surfaces of the joint into the adhesive and line it up perfectly with the one in the substrate.
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 (usually 1-2mm).
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.

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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.

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

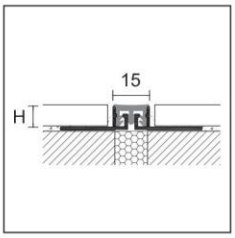
In the event of fire, use chemical fire extinguishers, dry sand or solid extinguishing agents.

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.

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NAN - NPAN



NAN/

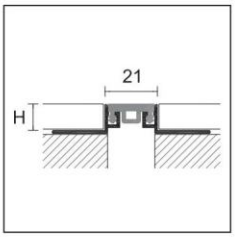
PROJOINT DIL

length = 270 cm - pack 10 pcs			H		
ART.	**finishing**		**10**	**12,5**	**15**
ALUMINIUM					
NAN/	natural aluminium + grey RAL 7035 rubber		99974	99975	99976
	natural aluminium + stone grey RAL 7030 rubber		99977	99978	99979

individually packed - NAN/ available with black rubber upon request, minimum order 100 pcs

SPARE INSERT FOR NAN/

length= 270 cm - pack 20 pcs			
ART.	**finishing**		
GM/I	grey RAL 7035		99993
	stone grey RAL 7030		99989



NPAN/

PROJOINT DIL

length = 270 cm - pack 10 pcs			H		
ART.	**finishing**		**10**	**12,5**	**15**
ALUMINIUM					
NPAN/	natural aluminium + stone grey RAL 7030 rubber		99984	99985	99986

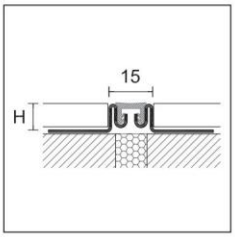
individually packed - NPAN/ available with black rubber upon request, minimum order 100 pcs

SPARE INSERT FOR NPAN/

length= 270 cm - pack 20 pcs			
ART.	**finishing**		
GMP/I	stone grey RAL 7030		99988

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NIN - NIL



NIN/

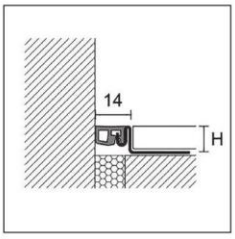
PROJOINT DIL

length = 270 cm - pack 5 pcs			H			
ART.	**finishing**		**10**	**12,5**	**15**	**20**
STAINLESS STEEL						
NIN/	stainless steel AISI 304 DIN 1.4301 + grey RAL 7035 rubber		99915	99916	99917	99918
	stainless steel AISI 304 DIN 1.4301 + stone grey RAL 7030 rubber		99925	99926	99927	99928

individually packed - NIN/ available with black rubber upon request, minimum order 100 pcs

SPARE INSERT FOR NIN/

length= 270 cm - pack 20 pcs			
ART.	**finishing**		
GM/10	grey RAL 7035		99998
	stone grey RAL 7030		99999



NIL/

PROJOINT DIL

length = 270 cm - pack 5 pcs			H			
ART.	**finishing**		**10**	**12,5**	**15**	**20**
STAINLESS STEEL						
NIL/	stainless steel AISI 304 DIN 1.4301 + stone grey RAL 7030 rubber		99896	99897	99898	99899

individually packed - NIL/ available with black rubber upon request, minimum order 100 pcs

SPARE INSERT FOR NIL/

length= 270 cm - pack 20 pcs			
ART.	**finishing**		
GM12/L	stone grey RAL 7030		99987