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Movement joints
Procover FLEX

Description

PROCOVER FLEX is a technical structural joint cover for level floors.
Featuring a load-bearing structure in natural aluminium and an EPDM insert, it was designed to absorb structural movements in industrial facilities or large constructions, such as load-bearing structures (floors for example) which need extra space to allow for the different movement of each of the load-bearing elements.
In these contexts, PROCOVER FLEX can also conceal the separation, hiding any imperfections in the cutting and laying of the flooring.
PROCOVER FLEX comes in two different versions and is ideal in industrial and commercial applications as a joint and cover in floors.

Materials

Natural aluminium
Al-Mg-Si aluminium, heat-treated in T6 (6060 T6).
The profiles are made by extrusion.
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.

EPDM
Black extruded EPDM compound.

Operating temperature range -40°C / +110°C.
Breaking load 5.5 N/mm^2
Shear strength 450%
Compression 20%

Chemical and physical properties:

- Excellent for ozone and atmospheric agents
- Good for hot air, up to 130°, steam, low temperature hardening, ketones, bases, water/sea water.
- Sufficient for strong mineral acids, dilute acids.
- Not sufficient for aliphatic hydrocarbons, paraffin-based mineral oils, chlorinated solvents, flame.

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.

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Fixing

Fixing with PP/96 type adhesive

Remove the profile from the packaging.
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.
Place the profile, cut to the right length, in position and fix it to the laying surface with a suitable adhesive (such as PP/96), making sure that the support is free of dirt and perfectly clean.
Press and hold evenly along the length of the profile to make sure it bonds correctly to the laying surface.

Fixing with screws and plugs

Remove the profile from the packaging.
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.
Drill both aluminium profiles (a hole every 20cm circa) in parallel lines, on each side.
Place the profile - cut to length and drilled - 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.
Slot the plugs into the holes drilled in the floor, reposition the profile correctly and fix it to the wall using the right type of screws making sure that the support surface is perfectly clean.

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.

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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.

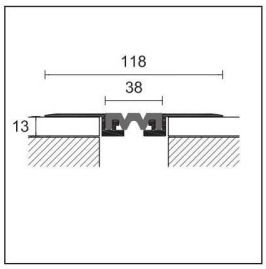
Fire prevention measures

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

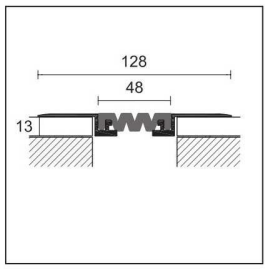
Notes:

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.

Procover Flex



GJF/40



GJF/50

PROCOVER FLEX

length = 400 cm - pack 5 pcs			L	
ART.	**finishing**		**40**	**50**
ALUMINIUM				
GJF/	natural aluminium + EPDM black insert RAL 9005		74490	74492

SPARE INSERT

length = 400 cm			L	
ART.	**finishing**		**40**	**50**
ALUMINIUM				
GM/	EPDM black RAL 9005		74491	74493