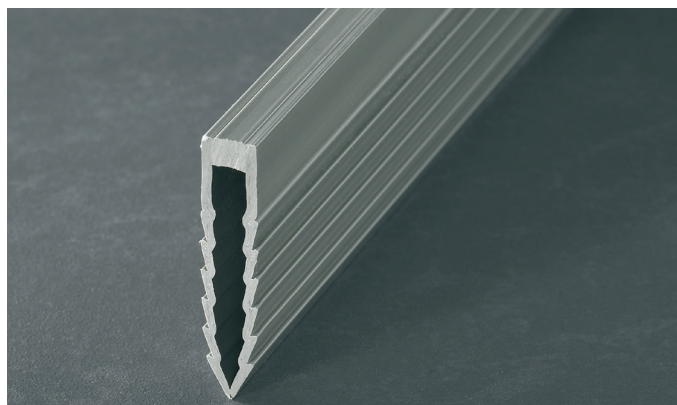
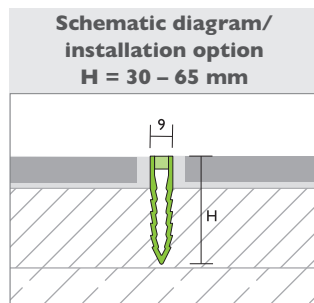


PROCONNEX Rigid/flexible PVC

Screed and thick-bed profiles



Fields of application:

The PROCONNEX screed and thick-bed profile made from rigid and flexible PVC is a flexible and contraction joint profile for creating requisite boundary joints when laying tiles and boards using the thick-bed or vibration method. PROCONNEX screed and thick-bed profiles are fitted to allow horizontal movement.

During coextrusion, the rigid plastic cladding is filled at the top with a softer plastic. This makes it possible to allow horizontal movement.

The teeth along the side of the cladding bite into the grout or bedding screed of adjacent coverings.

The scope of movement here is more orientated around small scale demands, as experienced in composite construction of grout and bedding screed expected on rough concrete slabs with sufficiently low-shrinkage.

As a coextruded material, the soft plastic between both rigid PVC cladding elements forms the expandable zone, which compensates for compression and shear stress.

The profile is laid in the still fresh screed layer during tiling/laying to separate the floor zones. It is used in areas fitted with sufficiently thick, wear-resistant and unbreakable tiles or boards.

The typical areas of application inside buildings equate to load group III, such as those in the ZDB bulletin 'Ceramic flooring with high mechanical loads' though they are specified for compression forces under 3 N/mm².

Product advantages:

PROCONNEX screed and thick-bed profiles made from rigid and flexible PVC are easy to fit.

During the vibration method, a wooden tapping block and a rubber hammer can be used to tap in the elements evenly, they can be set in a raised chamfer or butted up along the board edge using the thick-bed method.

A light grey and a dark grey profile finish are available. Due to different geometries, varying height situations can be catered for. The profiles can be shortened to length on-site.

Specifications:

Material	Coextruded rigid and flexible PVC
Length [m]	2.50
Height [mm]	30 / 40 / 45 / 50 / 65
Face width [mm]	9
Temperature range in use	+5°C to +45°C
Colours	Light grey RAL 7030, dark grey RAL 7035

For details, see latest price list

Delivery form:

Bound at the ends with stretch film, packed in a dispatch box

10 profiles	1 package
Packaging unit	10 / 40 items
Customs tariff number for PVC:	39162000

For the latest order quantities (KA) and packaging units (VPE), please refer to the price list, the relevant price sheets or product news sheets, or speak to your specialist dealer.

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Storage and transportation:

Store and transport in dry areas that are protected against dirt, impact, abrasion, heat, sunlight and other foreign matter.

To avoid any risk of deformation, do not place any load on the profiles and preferably store in the lying position.

Disposal:

Profiles that have been cleaned of foreign matter can be disposed of in a plastic recycling container.

Observe local authority regulations respectively.

Thermal degradation:

No degradation if used in the correct manner.

Avoid heat. Do not burn profiles.

Processing:

Preparatory measures:

Choose PROCONNEX screed and thick-bed profile made from rigid and flexible PVC to suit the height of the intended construction. For installation, the upper edge of the profile must always be at the same height or lower than the adjacent covering edges. Check the profile for damage and even surface. Use only undamaged, even profiles.

To cut to the required length, use suitable clamps, saws and personal protective equipment.

Installation using vibration method:

Using a trowel, make a deep and wide cut or chamfer along the laid tile edge in the still fresh, smoothed screed bed. The screed under the edge of the tile should be at a slight angle and then scraped off slightly more at the bottom.

Fit the profile in the opening, press down with a slight pushing motion, then press against the 'thicker' screed or knock in with a rubber hammer and a long wooden tapping block.

The profile must be fitted plumb.

Then close the screed opening again and press the screed in tight to seal it. Finally, completely fill in the joint between the profile and covering using filler material.

Installation using thick-bed method:

Along an already laid row of tiles or at a predetermined position, cut the screed layer at an angle slightly, removing more material towards the bottom.

Firmly press in the profile with a slight pushing motion towards the covering side into the 'thicker' screed.

The profile must be fitted plumb.

Fix the profile on the open side with screed that seals well. Finally, completely fill in the joint between the profile and covering using filler material.

In general:

For installation, it is better for the upper edge of the profile to be lower than the adjacent covering edges or the joint (0.5-1.0 mm) and it must not be fitted higher at any point than the adjacent tiles edges of joints.

After grouting or washing-in the joints of the surfaces, clean the profiles of leftover grout/screed straightaway using a soft wooden scraper or similar and wash down thoroughly.

Avoid particularly abrasive and intensive effects during installation, e.g. when washing-in or rubbing down the quartz sand/saw dust as well as later cleaning.

Cleaning:

Use clean water, pH-neutral cleaning agent, a sponge or cleaning cloth. Ensure that there is no sanding or grinding effect.

Perform routine cleaning regularly in accordance with local conditions.

Chemical and physical resilience:

Check cleaning agents before use to determine whether they have a damaging effect on the profiles. This also applies to correct dosage during use.

Do not use methylene chloride (DCM) or solvent-based substances on the profile.

If exposed to direct sunlight, PVC has a tendency to lose its colour and sometimes also shrink.

PVC is not sensitive to diluted acids and alkaline solutions, such as water that has been treated with chlorine. The material is resistant to fungal growth and bacteria.

Once the adhesive, grout and filling compound has hardened completely, the profile can take mechanical loads as per its intended use.

PROCONNEX Rigid/flexible PVC

Abrasive influences or the use of equipment or execution of activities on the profile with damaging effect should be avoided as a rule.

Check cleaning tools and equipment with bristles and abrasive polishing pads to see if they scratch the surface.

Standards and regulations:

In addition to the observation and consideration of relevant specialist rules, standards and generally recognised rules of technology, attention is drawn in particular to the following regulations:

- ATV DIN 18352 Tile laying work
- ATV DIN 18332 Natural stone work
- ATV DIN 18202 'Tolerances in surface construction'
- ZDB bulletin 'Expansion joints' (last version)
- ZDB bulletin 'Flooring/covering subjected to high loads' (last version)
- DIN 18560 'Screeds in building construction'
- DIN EN 13813 'Screed mortar, screed mass... Properties and requirements'
- DIN EN 13318 'Screed mortar and screeds – Terminology'
- AKQR – Guideline for flooring fitted using vibration method
- KKS – Guideline for flooring fitted using vibration method

Important information:

- If joining with heavily pigmented grout, clean immediately to avoid colour staining.
- Cement-based adhesives do not form a bond on PVC surfaces. Loss of adhesion at the joint to the profile is therefore possible.
- If joining with reaction resins, check first whether the surface of the profile could be damaged and that adhesive and grout can be removed completely.
- Due to the relatively narrow widths of the movement zone, the profiles are also only capable of permitting a respectively low amount of movement. This must be taken into consideration depending on the object-specific demands.
- The temperature at the time of installation should be the temperature expected during general use. Allow profiles to acclimatise before fitting.

All information, references, instructions, basic engineering principles, regulations, standards and expertise are based on German and largely equivalent European regulations and training standards, irrespective of additional country-specific supplements and amendments.

All our specifications are based on our experience and careful analysis. We are unable to examine or influence the diversity of associated materials used and the various construction site and processing conditions in detail. The quality and function of your work is therefore dependent on your professional construction site evaluation and utilisation of the products. In case of doubt, carry out your own tests or seek technical application advice. Please refer to the laying and processing guidelines of the floor covering manufacturers or the manufacturers of associated products. All previously published product data sheets cease to apply on publication of this product data sheet.

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