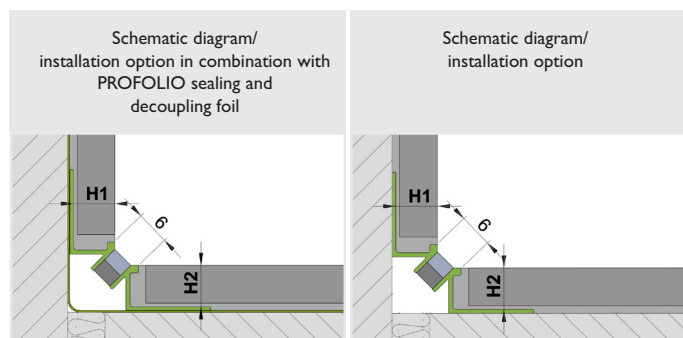


PROCONNEXcorner

Aluminium
with silicone insert

Corner joint profiles



Fields of application:

The **PROCONNEXcorner corner joint profile** made of aluminium is a movement and expansion joint profile for creating highly expandable and aesthetically appealing corner joints between two surfaces at a right angle to each other, such as a floor and wall or tread and riser created when laying tiles and boards using the thin-bed method.

PROCONNEXcorner corner joint profiles prevent a non-positive connection to the wall and the resulting unwanted sound transfer. In combination with **PROFOLIO** sealing and decoupling foil and the corresponding sealing tape, corners and sleeves, the **PROCONNEXcorner corner joint profile** can also be used in floor-level shower areas and damp rooms.

The high quality silicone is approx. 6 mm wide and is available in your choice of colours. It seals the joint and absorbs movements up to about 150% of the filled width. The expansibility is made possible by a joint space with 2-edge adhesion.

The angled profile edges are made of aluminium and protect the edge of the laid material on the sides from mechanical stress. The stamped fitting strips are anchored under the adjacent coverings in their bonding compound (adhesive).

The design of the **PROCONNEXcorner corner joint profiles** has been adapted to the flooring in such a way that, with a high level of application safety during installation, the assigned functions and loads on inside surfaces, which are subjected to traffic during domestic and commercial use (e.g. shops, offices, etc.) are possible without chemical burden.

The **PROCONNEXcorner corner joint profile** unites the work steps required by the IVD bulletin "Sealing of natural stone joints and connections" No. 23, June 2012 issue, for fabricating a corner joint with spray-on sealants, required in accordance with the recognised rules of technology.

Product advantages:

PROCONNEXcorner corner joint profiles are made of aluminium and are easy to install.

The materials used and their formation enable a high level of functionality and elasticity for the allocated movement.

The joint design and uniform joint width as well as the many different colours available for filler options enable a design that meets the highest aesthetic standards. They blend in with the laid surfaces harmoniously.

Different geometries allow you to adapt the shape to the height.

The profiles can be shortened to length on-site.

The silicone insert can also be replaced years later by cutting it out and applying new silicone. **PROCONNEXcorner corner joint profiles** are designed to minimise the effects of mechanical impact (such as bumps and knocks) in the joint area of flooring.

The neutrally cross-linked S 110 filler material from Otto-Chemie is very elastic and, according to TÜV Rheinland's list of building materials, is "a highly recommended low impact building product" and, at the same time, conforms with LEED® in accordance with IEQ-Credits 4.1 Adhesives and sealants.

PROCONNEXcorner

Aluminium with silicone insert

Specifications:

Material aluminium	Aluminium with silicone insert
Length [m]	2.50
For covering heights [mm]	10 / 11 / 12.5 / 15
Face widths [mm]	approx. 6
Standard colours	Ottoseal S 110 concrete grey *
Custom colours	Colours available on request from Otto-Chemie in accordance with Ottoseal S110 *
Special versions	Combination of individual profile heights possible upon request, e.g. 11 and 15 mm

For details, see latest price list

* Ottoseal S 110 sealant, refer to data sheets at www.otto-chemie.de

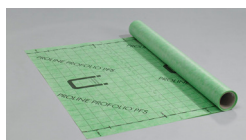
Delivery form:

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

10 profiles	1 pack
Packaging unit	Bars 10 / 40
Customs tariff number for aluminium	76109090

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.

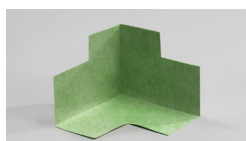
Supplementary products:



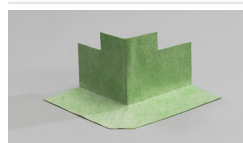
PROFOLIO
sealing and decoupling foil
Art. No. 93501 (5 m² roll)
Art. No. 93502 (30 m² roll)



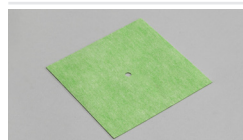
PROFOLIO sealing tape
Width 120 mm
Art. No. 93141 (10 m roll)
Art. No. 93131 (50 m roll with scaling)



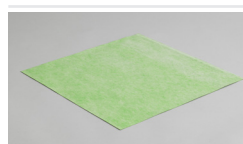
PROFOLIO sealing tape corner
Internal corner
Width 120 mm, length of leg 120 mm
Art. No. 93518



PROFOLIO sealing tape corner
External corner
Width 120 mm, length of leg 110 mm
Art. No. 93519



PROFOLIO sealing sleeve
Wall collar
120 x 120 mm with 15 mm hole punch
Art. No. 93512



PROFOLIO sealing sleeve
Floor collar
425 x 425 mm
Art. No. 93510



PROFIX DS
Sealing gel
3.5 kg pail
Article no. 93784



PROFOLIO tub sealing tape
Width approx. 120 mm, thickness approx. 0,7 mm
Including sound insulation strips
Article No. 93132 (4 m roll)



PROBAND butyl sealing tape
Sealing tape, self-adhesive
Width 75 mm, 0.5 mm thick
Including sound insulation strip
Article No. 93132 (10 m roll)



PROSECUREfibretec 2.0
Reinforcement and decoupling mats
Width of 1 m
Article No. 93719 (10 m roll)
Article No. 93720 (25 m roll)

Storage and transportation:

Store and transport in dry areas that are protected from dirt, impact, abrasion 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.

Environmental protection and disposal:

Profiles that have been cleaned of foreign matter can be disposed of in a metal recycling container. Profiles that are contaminated or still have silicone on them can be disposed of through the non-recyclable or commercial waste system. Observe local authority regulations respectively. Seals manufactured through complete vulcanisation are not easily biodegradable.

PROCONNEXcorner

Aluminium with silicone insert

Thermal degradation:

No degradation if used in the correct manner.
Avoid excessive heat.

Laying/processing:

Preparatory measures / site planning

The surface to which the product is being fitted must be sturdy, dry, level, straight, flush and horizontal, free of parting agents and solvents and suitable for the bonding substance. The fitting strips must always lie beneath a hard covering, tiles or boards which are firmly bonded.

Installation

Select **PROCONNEXcorner corner joint profiles** made of aluminium corresponding to the lining thickness you need. 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 - use only undamaged profiles.

To cut to the required length, use suitable clamps, saws or cutting devices as well as personal protective equipment. Deburr the edges using a suitable tool.

Place the **PROCONNEXcorner corner joint profile** with the punched board into the freshly combed bonding compound and align. Then plaster over the fitting strip, covering it completely.

The flooring/covering material adjacent to the fitting strip must be laid so it is completely embedded.

Tiles cut or made to fit the profile must be at least 10 cm wide. If necessary, lay a **PROSECUREfibretex 2.0** reinforcement strip measuring approx. 20 cm in width over the fitting strip in the thin-bed mortar layer. If **PROCONNEXcorner corner joint profiles** are used in damp rooms, observe the product data sheets and installation manuals of the **PROFOLIO** system components.

Mortar should not be allowed to find its way into the gap in the flooring/covering substrate. If the profile joints are diagonal, do not allow the profile ends to overlap. If necessary, cut an angled joint or make recesses and fill in the open gap by elastic means. Upon completing the gap filling measures, profile joints can be covered using Ottoseal SI 10 silicone sealant in the same colour.

If the surface as a whole has a joint pattern, the joint to the profile can be formed to match the joint width, though it should be no wider than 2 mm. The joint between the flooring/covering and the profile should be filled completely with grout.

Clean away any mortar/grout and adhesive residue immediately and completely using clean water and a non-abrading sponge pad or cloth from the sides of the profile on display.

Bonding and joint filling substances should not dry onto the surface. Use non-abrasive bonding and joint compound.

Cleaning:

Use copious amounts of clear water and commercially available non-moisturising household cleaners.

Ensure that there is no sanding or grinding effect. Always make sure that there are no remnants of cleaning agent or dirt.

If necessary, use suitable cleaning paste to polish up untreated aluminium profiles if tarnished.

Perform routine cleaning regularly in accordance with local conditions.

Chemical and physical resilience:

Before using cleaning agents or collected water, check whether they have a corrosive or damaging effect on the profiles. This also applies to correct dosage during use.

Never use agents containing hydrochloric or hydrofluoric acid. Any contact with chlorine bleaching agents, cement residue cleaners, strong acids or bases should be avoided.

Aluminium reacts sensitively to potent alkaline substances. Substances containing cement or lime in combination with water can alter the surface depending on the solution and time allowed to take effect.

Always remove grout and joint compound immediately from the sides on display or mask off the visible sides to protect them.

Once the adhesive, grout and filling compound is dry, the profile can take mechanical loads as per its intended use.

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.

PROCONNEXcorner

Aluminium with silicone insert

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 18157 Ceramic trim version with thin-bed method
- ATV DIN 18332 Natural stone work
- DIN 18202 "Tolerances in surface construction"
- ZDB bulletin "Expansion joints" (last version)
- ZDB bulletin "Coverings exposed to heavy loads" (last version)
- ZDB bulletin "Bonding seals" (last version)
- IVD bulletin "Sealing of natural stone joints and connections"

Important information:

- In conjunction with the profiles, use only neutrally cross-linked sealing and filling substances, preferably Ottoseal S 110.
- The production processes necessitate a certain slight variation of colours between the individual profiles and their appearance is subject to the characteristic, industrial processes during manufacture.
- Heavily soiled surfaces can have an abrasively destructive or puncturing effect on the top of the profile and the filler material. Ensure that regular cleaning is carried out.
- The temperature at the time of installation should be the same as the temperature during later 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.

Fulfilment of an imposed work order and verifiable functionality of the object therefore depends on the observation of current VOB rules and the recognised rules of technology.

Our details do not absolve the accountable planner's and fitter's obligation to assess - on their own authority - the building conditions and practicability 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 product data sheets previously published are superseded by this product data sheet once published.

© Proline Systems 2016 – We grant our customers the permission of reproduction and transfer to their customers, provided that clear reference is made to our copyrights. All other rights reserved.