

EGOPREN C3 FUGENDICHTBAND

is a pre-compressed, one-side self-adhesive sealant strip wound on rolls that is made of polyurethane soft foam with a special synthetic resin impregnation. EGOPREN C3 has a special one-sided side-surface impregnation and this gives the sealant strip different vapour diffusion properties. EGOPREN C3 means that a total of three sealant products can be replaced with just one. It provides air-tight sealing of the connection joints of windows and doors that is also impervious to driving rain while also providing heat-insulating properties across the entire building depth. The inserted sealant strip relaxes depending on the temperature and time and, in this way, adapts to the width of the joints and the uneven surfaces of the building parts. The sealant strip is weather and UV resistant.

APPLICATION AREAS

EGOPREN C3 was specially developed in accordance with the principle "the inside is denser than the outside" and with its open vapour-diffusion sealing properties, it ensures fast and secure sealing when installing windows and doors. EGOPREN C3 can be used for blind frames with coupling webs. This requires that the installation width inside and outside the webs must be at least 15 mm. We recommend the use of grooved cover profiles. Uneven expansions could result from doubling. The product cannot be painted or plastered over and is not foreseen for the expansion joints in the façade. We recommend EGOPREN C1 or BG1 for the joints between massive building parts.

APPLICATION NOTES

The adhesive surfaces must be dry, and free of any dust and/or release agents. The wall reveals must be cleaned of any dirt arising from building work and any remaining mortar. In the area where the sealant strip is installed, the joints in the brick work need to be smoothed to be flush with the mortar and the blind frame is to be cleaned at the side. What dimensions the strips have can be selected using the table to aid the decision-making process. At temperatures under 10 °C and over 20 °C, the strip should also be brought up to room temperature even on the building site. Low temperatures slow down and high temperatures accelerate the swelling characteristics of EGOPREN C3. Cut away the overcompressed start and end pieces. When cutting the strip to length, leave at least 2 cm/m over. In the case of limited joint widths, we recommend that the strip be moistened. It needs to be ensured that the light-grey, powdered side needs to be pointing to the inside of the room. Prior to installation, EGOPREN C3 was applied and inserted into the reveals opening along with the window. Attention needs to be paid that the transition to the side sealant is completely light-proof and completely secure against driving rain. The strip ends are buttjointed and are not laid around corners. Underneath the outer window sill, we recommend creating a second water-transporting level from sealing film in the form of a tub using EGOTAPE 4000 in order to transport the water to the outside in a controlled manner. The securing of the window is done so as a spaced installation, for which frame screws or installation anchors are suitable. Because the joint-sealant strips exert an expansive pressure, the building parts need to be sufficiently secured and in the case of roller shutter boxes, need to be dimensioned in a self-supporting manner. In the case of coating with paints and sealant materials, the compatibility should be tested in advance. The strip is not compatible with solvent-containing or aggressive chemicals.

NORMS AND TESTS

EGOPREN C3 complies with the:

IVD data sheets:

- No. 9, 19-1, 19-2, 20, 24, 26-1, 28, 29, 31, 35

The following tests were achieved by EGOPREN C3:

General building inspectorate approval (DIBt):

- Construction material class B1 (DIN 4102) hardly inflammable

TECHNICAL DATA

Properties	Result	in accordance with
Material basis	Polyurethane soft foam with synthetic resin impregnation	
Service Temperature	-30 °C to +80 °C	
Resistance to driving Rain	600 Pa	DIN EN 1027
Permeability of Joints	Joint permeability coefficient $a \leq 0,1 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa}) \cdot \text{n}]$	DIN EN 12114
Thermal Conductivity	0,048 W/m·K	DIN EN 12677
Compatibility wit	exists in accordance with the planning permission granted, examine compatibility in the case of products with solvents and plasticizer	DIN 18542
Grouping according to	MF1	DIN 18542
Sd value	< 0,5 m from outside; denser inside (vapour pressure gradient)	EN ISO 12572
U-value window construction depth 60 mm	$a < 0,8 \text{ W}/[\text{m}^2 \cdot \text{K}]$	DIN 4102

TECHNICAL DATA

Properties	Result	in accordance with
U-value window construction depth 70mm	$a < 0,7 \text{ W}/(\text{m}^2 \cdot \text{K})$	
U-value window construction depth 80mm	$a < 0,6 \text{ W}/(\text{m}^2 \cdot \text{K})$	
Noise insulation	45 dB (10 mm joint)	EN ISO 717-1
Building material class	B1, hardly inflammable	DIN 4102

AVAILABILITY AND STORAGE

Standard Colour	anthracite				
Packaging	Tape width	Tape thickness	Roll length m	Rolls/Box	Meters/Box
	66	5-10	9	3	27
	77	5-10	9	3	27
	66	7-15	6	3	18
	77	7-15	6	3	18
Storage	Rolls can be stored cool and dry at +5 °C to 20 °C: ▪ 12 months				

SAFETY INSTRUCTIONS

Meets Requirements of	REACH Regulation (EC) No. 1907/2006
Not hazardous	According to EC No. 1272/2008 (CLP)
Not subject to Labelling	According to EC No. 1272/2008 (CLP)
Safety Guidelines	See EC safety data sheet
Disposal	See EC safety data sheet

For warnings refer to the Safety Data Sheet. The above information is the result of thorough research; previous information is hereby invalidated. Check for yourself whether the product is suitable for your purposes. Our possible liability is limited to the value of our product as such. We cannot accept any liability for indirect damage, in particular for the application or unusability of the product. No one is authorized to make recommendations or assurances on our behalf that go beyond the content of our information sheets.