

Soudafoil 360H

Revision: 27/05/2020

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Technical data

Basis	SMX Hybrid Polymer
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 10 min
Curing speed * (23°C/50% R.H.)	2 mm/24h → 3 mm/24h
Hardness**	50 ± 5 Shore A
Density**	Ca. 1,62 g/ml
Elastic recovery (ISO 7389)**	> 75 %
Maximum allowed distortion (ISO 11600)	± 20 %
Max. tension (ISO 37)**	> 2,00 N/mm ²
Elasticity modulus 100% (ISO 37)**	0,75 N/mm ²
Elongation at break (ISO 37)**	300 %
Consumption*	Ca. 15 linear meters at the recommended adhesive bead of about 5mm.
Temperature resistance**	-40 °C → 90 °C
Application temperature	5 °C → 35 °C
Water vapor diffusion resistance factor (μ)	1524

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. ** This information relates to fully cured product.

Product description

Soudafoil 360H is a high quality, neutral, elastic, 1-component Hybrid polymer based adhesive sealant for bonding and sealing of window foils in interior and exterior applications. Soudafoil 360H is part of Soudal Window System.

Properties

- Easy to tool, extrude (even at low temperatures) and finish in all weather conditions.
- Excellent adhesion onto many types of tapes and foils, except for bitumen, PP, PE, PTFE and silicones.
- Good adhesion on most common building materials.
- Meets GEV EMICODE EC-1R Plus: very low emission
- Solvent, halogen, acid and isocyanate free.
- Stays elastic after curing and very durable
- UV resistant, waterproof and resistant to weathering

- Primerless adhesion even on damp surfaces due to unique adhesion promoters.
- For in and outdoor use
- Guarantees airtight connections according to DIN 4108-7.

Applications

- For bonding and sealing of Soudal SWS Inside and Outside tape to each other as well to structural work, masonry, concrete, plaster, cement, aluminum, wood, etc.
- Particularly suitable for making airtight connections in window installations.

Packaging

Colour: grey, other colors on request
Packaging: 600 ml foil bag, other packaging on request

Shelf life

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

Remark: This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. In every case it is recommended to carry out preliminary experiments. Soudal reserves the right to modify products without prior notice.

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Substrates

Substrates: Various porous and non-porous surfaces such as wood, concrete, stone and other materials commonly used in construction. As well as good adhesion (wet) surfaces: plaster, brick, (gas) concrete, wood, insulation, plasterboard, fiber cement, ... Not suitable for bitumen, PP, PE, PTFE and silicones.

Nature: rigid, clean, dry or slightly moist, free of dust and grease.

Surface preparation: Porous surfaces in water loaded applications should be primed with Primer 150. A preliminary adhesion test on every surface is recommended. Prepare non-porous surfaces with a Soudal activator or cleaner (see Technical Data Sheet). Not suitable for PE, PP, PTFE (eg Teflon®), bituminous substrates, copper or copper-containing materials such as bronze and brass. We recommend a preliminary adhesion and compatibility test on every surface.

Application method

Application method: With manual- or pneumatic caulking gun. Apply Soudafoil 360H without interruptions in a bead of approx. 5 mm to the substrate. Place SWS tape free of tension in the adhesive layer and press. A non-interrupted adhesive layer with a thickness of 1 to 2mm and a width of approx. 25mm guarantees the best curing.

Cleaning: Soudafoil 360H can be removed before curing from tools and material with Soudal Adhesive Cleaner 90A, Swipex or white spirit. After curing can only be removed mechanically.

Finishing: With a soapy solution or Soudal Finishing Solution before skinning.

Repair: With the same material.

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult label and material safety data sheet for more information.

Remarks

- Do not use in applications where continuous water immersion is possible.

- Soudafoil 360H can not be used as a glazing sealant.
- Not suitable for bonding aquariums.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- Discoloration due to chemicals, high temperatures, UV-radiation may occur. A change in color does not affect the technical properties of the product.
- Contact with bitumen, tar or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discolouration and loss of adhesion.

Environmental clauses

Lead regulation:

Soudafoil 360H conforms to the requirements of LEED. Low –Emitting Materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED 2009 Credit 4.1: Low-Emitting Materials – Adhesives & Sealants concerning the VOC-content.

Liability

The content of this technical data sheet is the result of tests, monitoring and experience. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.

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