

HMX Facade Pro

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Technical data

Basis	HMX Polymer
Consistency	Stable paste
Curing system	Physical drying
Skin formation* (23°C/50% R.H.)	Ca. 15 min
Curing speed * (23°C/50% R.H.)	Ca. 2 mm/24h
Density	Ca. 1,42 g/ml
Maximum allowed distortion (ISO 11600)	25 %
Max. tension (ISO 37)**	Ca. 0,45 N/mm ²
Elasticity modulus 100% (ISO 37)**	Ca. 0,29 N/mm ²
Elongation at break (ISO 37)**	> 600 %
Temperature resistance**	-20 °C → 80 °C
Application temperature	5 °C → 35 °C

* 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

HMX Facade Pro is a high quality, elastic, 1-component joint sealant based on crosslinked hydro polymers.

Properties

- Very good adhesion on many materials
- Very easy to apply
- UV-resistant
- Low modulus
- Very good resistance to ageing
- Excellent moisture resistance
- Permanently elastic after curing
- Paintable
- No staining on porous surfaces such as marble, granite and other natural stones
- EC-1 Plus label: very low emission

Applications

- All usual building joints with high movement.
- Expansion joints between many different construction materials.
- Expansion and connection joints in the building industry: sealing of joints in prefabricated buildings, sealing between window and door frames,...
- Connection and expansion joints between window frames and wall that are painted.

- Applications where the sealant needs to be overpainted with water based paints and varnishes.

Packaging

Colour: white, black, grey, light grey, anthracite, brown, teak, beige
Packaging: 300 ml cartridge

Shelf life

18 months in unopened packaging in a dry storage place at temperatures between +10°C and +25 °C.

Substrates

Substrates: all usual building substrates

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

Surface preparation: HMX Facade Pro has a good adhesion to most substrates. However, for optimal adhesion and in critical applications, such as joints exposed to extreme weather conditions, high- or water-loaded joints, we recommend to follow a pre-treatment procedure. Porous surfaces should be primed with Primer 150. Prepare non-porous surfaces with a Soudal activator or cleaner (see Technical Data Sheet). We recommend a preliminary adhesion and compatibility test on every surface. Not suitable for PE, PP, PTFE (eg Teflon®), bituminous

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, copper or copper-containing materials such as bronze and brass.

Joint dimensions

Min. width for joints: 5 mm

Max. width for joints: 30 mm

Min. depth for joints: 5 mm

Recommendation sealing jobs: joint width = 2 x joint depth.

Application method

Apply the product by means of a manual-, battery- or pneumatic- caulking gun. Apply HMX Facade Pro evenly without air inclusions into the joint. Smoothen the joint with a spatula with the help of clean water.

Application method: With a manual, pneumatic or accu caulking gun.

Cleaning: Before curing, HMX Facade Pro can be removed with clean water from substrates and tools. Cured HMX Facade Pro can only be removed mechanically.

Finishing: Finish with little, clean water 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.

Dangerous. Respect the precautions for use.

Remarks

- Discoloration due to chemicals, high temperatures, UV-radiation may occur. A change in color does not affect the technical properties of the product.
- Paintable with most paints.
- The paint must be sufficiently elastic to allow application on a elastic sealant.
- Given the great diversity in available paints it is recommended to do a compatibility test prior to application.
- 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.

- Do not use in applications where continuous water immersion is possible.
- Do not use in applications in or around swimming pools.

Standards and certificates

- ISO 11600 F 25LM
- EC-1 PLUS label: very low emission

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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