

Soudaduct HVAC

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Technical data

Basis	Acrylic dispersion
Consistency	Paste
Curing system	Physical drying
Skin formation* (23°C/50% R.H.)	Ca. 20 min
Density	Ca. 1,70 g/ml
Maximum allowed distortion	Ca. 12 %
Temperature resistance**	-20 °C → 80 °C
Application temperature	5 °C → 30 °C
Shrinkage	Ca. 15% (DIN 52451)

* 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

Soudaduct HVAC is a high-quality, plasto-elastic, solvent free HVAC ducting sealant for all types of metal ducts.

Properties

- Very easy to apply
- Does not contain solvents
- Virtually odourless
- Colourfast and waterproof after curing
- Excellent adhesion on aluminum
- Good adhesion on anodised aluminum

Applications

- Joints with movement till max. 12,5%
- Sealing of joints, seams and overlaps in HVAC systems

Packaging

Colour: grey

Packaging: 270 ml cartridge

Shelf life

At least 12 months in unopened packaging in a dry storage place at temperatures between +5 °C and +25 °C. Protect against frost.

Substrates

Substrates: All kind of ducting materials

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

We recommend a preliminary adhesion test on every surface.

Joint dimensions

Min. width for joints: 5 mm

Max. width for joints: 20 mm

Min. depth for joints: 5 mm

Recommendation sealing jobs: joint width = joint depth.

Application method

Do not apply when rain or frost is imminent during curing process.

Application method: Apply Soudaduct HVAC with a brush, handhelr or pneumatic caulking gun. Finish with a spatula or pûtty knife. Spread a minimum of 20mm wet film thickness with a bruth or caulk the joints. Seal all joints, seams and penetrations in the ductwork to ensure an airtight system.

Cleaning: Before curing, Soudaduct HVAC can be removed with water from substrates and tools. Cured sealant must be removed mechanically.

Repair: With the same material.

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult the packaging label for more information.

Remarks

- Do not use in applications where continuous water immersion is possible.
- Paintable with most paints.

Remark: This technical data sheet replaces al 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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- The paint must be sufficiently elastic to allow application on a plasto-elastic sealant.
- Given the great diversity in available paints it is recommended to do a compatibility test prior to application.
- Prior to pressure testing, allow Soudaduct HVAC to cure for 12 - 24 hours, depending of the temperature, humidity and application thickness.
- Do not apply outdoors

Environmental clauses

Leed regulation:

Soudaduct HVAC 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.

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