

Soudatight SP

Revision: 3/01/2017

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Technical data

Basis	Synthetic dispersion
Consistency	Paste
Curing system	Physical drying
Skin formation* (20°C / 65% R.H.)	Ca. 60 min
Density	Ca. 1,08 g/ml
Elongation at break (DIN 53504)	> 500 %
Drying time (20°C and 60% R.H.)	Ca. 24 - 48 h
Consumption (*)	200 - 500 g/m ² , depending on layer thickness
Temperature resistance	-20 °C → 80 °C
Application temperature	5 °C → 30 °C
Diffusion resistance factor (μ-value)	10241
Equivalent air layer thickness (Sd-value)	10,96 m
Spray pattern	Spray, ca. 30 cm wide (15 cm on both faces) depending on the nozzle and the distance

(*) these values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

Product description

Soudatight SP is a high quality water-based polymer paste which forms a seamless, air and vapor tight elastic membrane after drying.

Properties

- Ready for use
- Stays elastic after curing and very sustainable
- Very good adhesion on many porous materials
- Good adhesion on slightly moist substrates
- Can be painted and plastered after drying
- Meets GEV EMICODE EC-1 PLUS: very low emission

Applications

For air and vapor tight finishing of:

- Wall-floor connections
- Wall-ceiling connections
- Surfaces (no roof applications)

Packaging

Colour: dark blue (becomes black after drying),
White (without color change)

Packaging: 10 kg bucket

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 common porous surfaces in construction and renovation. Not suitable for bitumen, glass, PE, PTFE and PP. The drying time may increase onto non porous substrates.

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

Surface preparation: No pretreatment required.
We recommend a preliminary adhesion test on every surface.

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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Joint dimensions

Cracks, joints or gaps < 2 mm overdyed with Soudatight LQ. At cracks, joint or gaps > 2 mm use Soudatight Geotextile in combination with Soudatight (or fill up).

Application method

Soudatight SP should be acclimatised to room temperature before installation. Shake or stir well before use. Apply the airtightness paste undiluted and evenly by means of the by Soudal recommended Wagner airless spray equipment in the desired layer thickness on the substrate. Preferably apply in two layers. Apply the second layer of product under a different angle.

Cleaning: Before curing, Soudatight SP can be removed with water from substrates and tools.

Repair: With the same material

Health- and Safety Recommendations

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

Remarks

- Do not use in applications where continuous water immersion is possible.
- Soudatight SP should not be diluted.
- Not suitable for expansion and dilatation joints.

Standards and certificates

- EC-1 PLUS label: very low emission
- BBRI-report DE621XB622 LMA 5748: Determination of the adhesive strength of a liquid membrane (Soudatight SP) on different types of substrates.
- BBRI-report DE621XB622-2 LMA 5748: Determination of adhesive strength of gypsum plaster applied to a substrate (breeze blocks) treated with Soudatight SP.
- BBRI-report DE621XB622-3 LMA 5748: Determination of the water-vapor-permeability-properties of Soudatight SP.
- IFT MO-01/1 Bauteilprüfung (system test: air- and driving rain-tightness of a sealing between window and wall)

Environmental clauses*Leed regulation:*

Soudatight SP 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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