

AluSeal

Revision: 13/09/2023

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Technical data

Basis		Synthetic rubber
Consistency		Paste
Curing system		Physical drying
Skin formation* (23°C/50% R.H.)		Ca. 45 min
Max. tension	ISO 37	≥ 4,10 N/mm ²
Elasticity modulus 100%	ISO 37	Ca. 0,40 N/mm ²
Elongation at break	ISO 37	≥ 1000 %
Shrinkage		Ca. 35% (DIN52451)
Temperature resistance**		-20 °C → 90 °C
Application temperature		5 °C → 30 °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

AluSeal is a high-quality, elastic, watertight, one-component sealant that seals and protects the cut edges of aluminium profiles against corrosion. AluSeal has been developed for the durable sealing of mitre and butt joints in aluminium constructions (e.g. extruded window profiles). AluSeal is based on synthetic rubber. The transparent version is crystal clear (100% transparent).

Properties

- Protects against corrosion
- UV resistant, waterproof and resistant to weathering
- 100% transparent, crystal clear
- Stays elastic after curing and very durable
- Machine-applicable, compatible with Tekna (TK259) or Comall (Sealant CE)
- Solvent based
- Can be painted with most types of paint systems.

Applications

- Protection against corrosion of cut edges in (blank) aluminium profiles.
- Durable sealing of mitre and butt joints in aluminium constructions (e.g. extruded window profiles).

Packaging

Colour: transparent, grey, black
Packaging: 310 ml alu cartridge

Shelf life

At least 15 months in unopened packaging in a dry storage place at temperatures between +5 °C and +25 °C.

Substrates

Substrates: extruded aluminium (window) profiles

Nature: clean, free of dust and grease.

Surface preparation: No pretreatment required. A preliminary adhesion test on every surface is recommended.

Application method

Application method: With a foam roller. Machine application (with e.g. Tekna or Comall) is also possible.

Apply AluSeal to the blank cut edges of the aluminium profiles. The profiles must be fitted together and then screwed or pressed into place within the skin formation time. The functional strength is only achieved after the full curing time.

Cleaning: Clean with Soudal Surface Cleaner or with Soudal Swipex, immediately after use
Repair: With the same material.

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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Health- and Safety Recommendations

Take the usual labour hygiene into account.
Use only in well-ventilated areas. Do not smoke. In case of insufficient ventilation it is appropriate to wear respiratory protection.
Consult label and material safety data sheet for more information.

Remarks

- AluSeal may be overpainted with water based paints, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.

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