



Aluseal

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
- Good UV resistance
- Waterproof
- Good weather resistance
- 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).

Technical data

Base	Synthetic rubber	
Consistency	Paste	
Curing system	Physical drying	
Skin formation	23±2°C - 50%±5% R. H.	ca. 45 min
Elasticity modulus	ISO 37	ca. 0.40 N/mm ²
Elongation at break	ISO 37	≥ 1000 %
Maximum tension	ISO 37	≥ 4.10 N/mm ²
Shrinkage after curing	ca. 35%	
Application temperature	+5°C → +30°C	
Temperature resistance	-20°C → +90°C	

Footnote: evaporation time, open time and curing speed may vary depending on environmental factors such as temperature, moisture, and type of substrates.

Substrates

- Substrate condition
The surface must be rigid, clean, dry, free of dust and grease.
- Substrate preparation
No pretreatment required. A preliminary adhesion test on every substrate is recommended.
- Substrate types
Aluseal has a good adhesion to following substrates: extruded aluminium (window) profiles.



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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 method
Clean with Soudal Surface Cleaner or with Soudal Swipex Wipes, immediately after use.
- Repair method
Repair with the same material.

Health- and Safety Recommendations

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

Packaging/Logistics

Colour: Transparent
Packaging: 310 ml alu cartridge
Shelf life: 15 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C

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.

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. It is general in nature and does not constitute any liability. 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. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application. In every case it is recommended to carry out preliminary experiments. The manufacturer reserves the right to modify products without prior notice.