



Aluseal

Description

Aluseal is a high-quality, elastic, watertight, one-component sealant that seals and protects the cut edges of aluminum profiles against corrosion. Aluseal has been developed for the durable sealing of mitre and butt joints in aluminium construction (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



Application

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

Technical data

Base	Synthetic rubber	
Consistency	Paste	
Curing system	Physical drying	
Skin formation (minutes)	23±2°C - 50%±5% R. H.	ca. 45
Elasticity modulus (N/mm ²)	ISO 37	ca. 0.40
Maximum tension (N/mm ²)	ISO 37	≥ 4.1
Elongation at break (%)	ISO 37	≥ 1000
Shrinkage after curing (%)	ca. 35	
Temperature resistance (°C)	-20 to +90	
Application temperature (°C)	+5 to +30	

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 good adhesion to extruded aluminum (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 aluminum profiles. The profiles must be fitted together and then screwed or pressed into place within skin formation time. The functional strength is only achieved after the full curing time.

■ Cleaning method

Apply solvent cleaner to a cloth to wipe off uncured product.

■ 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.

Dangerous. Respect the precautions for use.

Use only in well-ventilated areas.

Do not smoke near the application area.

In case of insufficient ventilation it is appropriate to wear respiratory protection.

Packaging/Logistics

Colour: Transparent

Packaging: 310ml alu cartridge

Shelf life: 15 months from the date of production. The product must be stored in its original, undamaged, and sealed packaging under dry conditions, protected from direct sunlight, and 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 supersedes all earlier versions. The information provided is based on our tests and practical experience and is supplied in good faith as general guidance only, without creating any liability. Since materials, substrates, application design, and processing conditions vary widely and are outside our control, we cannot accept responsibility for the results obtained from use of this information. The user must verify suitability for the intended application through their own testing, and preliminary trials are recommended in all cases. The manufacturer reserves the right to change product specifications without prior notice.