AluSeal Hybrid

Technical data

Basis		Hybrid Polymer
Consistency		Paste
Curing system		Moisture curing
Skin formation* (23°C/50% R.H.)		Ca. 120 min
Hardness	DIN 53505	Ca. 44 Shore A
Density		Ca. 1,53 g/ml
Max. tension	ISO 37	≥ 1,50 N/mm²
Elasticity modulus 100%	ISO 37	Ca. 1,00 N/mm²
Elongation at break	ISO 37	> 350 %
Drying time (23°C and 50% R.H.)		2 mm/24 h
Fire reaction class	EN 13501-1	Class E (normal flammability)
Temperature resistance**		-40 °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 Hybrid is a high-quality, elastic, watertight, one-component sealant that seals and protects the cut edges of aluminium profiles against corrosion. AluSeal Hybrid has been developed for the durable sealing of mitre and butt joints in aluminium constructions (e.g. extruded window profiles). AluSeal Hybrid is based on hybrid polymers and is label-free.

Properties
- Protects against corrossion
- UV resistant, waterproof and resistant to weathering
- Long open time
- Stays elastic after curing and very durable
- Easy to apply and tool
- Thixotropic, does not run off
- Compatible with the Soudal corner bonding adhesives: Soudabond 641 en 642
- Can be painted with most types of paint systems.
- Free of solvents and isocyanate
- EC-1 Plus label: very low emission

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: grey, black, white
Packaging: 290 ml cartridge

Shelf life
At least 12 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, dry, free of dust and grease.
Surface preparation: A preliminary adhesion test on every surface is recommended.

Application method
Application method: With a manual, pneumatic or accu caulking gun. With a foam roller.
It is strongly recommended that AluSeal Hybrid is brought to room temperature before use, otherwise its processing properties may be adversely affected. Apply AluSeal Hybrid 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. Remove excess product when still fresh.
Cleaning: Clean with Soudal Surface Cleaner or with Soudal Swipex, immediately after use
Repair: With the same material.

Health- and Safety Recommendations
Take the usual labour hygiene into account. Consult the label for more information.

Remarks
- AluSeal Hybrid should not be diluted.
- AluSeal Hybrid may be painted, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application. The drying time of alkyd resin based paints may increase.

Standards and certificates
- EC-1 PLUS label: very low emission

Environmental clauses
Leed regulation:
AluSeal Hybrid 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.