

**Technical data**

Basis	MS Polymer
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 16 min
Curing speed * (23°C/50% R.H.)	3 mm/24h
Hardness**	60 ± 5 Shore A
Density	1,68 g/ml
Maximum allowed distortion	± 20 %
Max. tension (ISO 37)**	2,30 N/mm <sup>2</sup>
Elasticity modulus 100% (ISO 37)**	2,00 N/mm <sup>2</sup>
Elongation at break (ISO 37)**	150 %
Temperature resistance**	-40 °C → 90 °C
Application temperature	5 °C → 35 °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**

Sumogrip Foil is a high quality, neutral, elastic, 1-component adhesive sealant based on MS-Polymer with a very high initial tack.

**Properties**

- High initial tack reducing the need for initial support.
- Good extrudability
- high shear strength after full cure (no primer)
- Stays elastic after curing and very sustainable
- No odour.
- Can be painted with water based systems
- Does not contain isocyanates and no silicones
- Good adhesion on slightly moist substrates

**Applications**

- Bonding of all types of building materials onto all porous and non porous surfaces.
- Elastic bonding of panels, profiles and other pieces on the most common substrates (wood, MDF, chipboard, etc).
- Strong elastic bonding in vibrating constructions.
- Bonding of small objects like ornaments, profiles.

**Packaging**

*Colour:* white, black, grey, other colors on request

*Packaging:* 400ml Foil, other packaging on request

**Shelf life**

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

**Chemical resistance**

Good resistance to (salt)water, aliphatic solvents, hydrocarbons, ketones, esters, alcohols, diluted mineral acids and alkalis. Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrocarbons.

**Substrates**

*Substrates:* all usual building substrates, treated wood, ...

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

*Surface preparation:* Porous surfaces in water loaded applications should be primed with Primer 150. Prepare non-porous surfaces with a Sumogrip activator or cleaner (see Technical Data Sheet).

Sumogrip Foil has been tested on following metal surfaces: AlCuMg1, AlMg3, stainless steel, electro-galvanized steel, steel ST1403, hot dip galvanized steel. Sumogrip Foil also has a good adhesion on plastics: polycarbonate (Makrolon®), polyamide, fiberglass reinforced epoxy, polyester. While producing plastics very often releasing agents, processing aids and other protective agents (like protection foil) are used. These should be removed prior to bonding or sealing. For optimum adhesion the use of Surface Activator is recommended. NOTICE: bonding plastics like PMMA (e.g. Plexi® glass), polycarbonate (e.g. Makrolon® or Lexan®) in stress loaded applications can give rise to stress cracking and crazing in these substrates. The use of Sumogrip Foil is not recommended in these applications. Not suitable for PE, PP, PTFE (eg Teflon®), bituminous substrates, copper or copper-containing materials such as bronze and brass. We recommend a preliminary adhesion and compatibility test on every surface.

### **Application method**

*Application method:* With manual- or pneumatic caulking gun.

*Cleaning:* Clean with White Spirit or other suitable cleaner immediately after use (before curing).

*Repair:* With the same material.

### **Health- and Safety Recommendations**

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

### **Remarks**

- Sumogrip Foil 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.
- The drying time of alkyd resin based paints may increase.
- Sumogrip Foil can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, like polycarbonate, etc, may differ from manufacturer to manufacturer, we

recommend preliminary compatibility test.

- Sumogrip Foil can not be used as a glazing sealant.
- When applying, make sure that the surface of the materials is not smudged with sealant.
- A total absence of UV can cause a color change of the sealant.
- Sumogrip Foil can discolour under extreme conditions or after very long UV exposure.
- Sumogrip Foil cannot be used on porous materials such as natural stone because of the risk of staining.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- Not suitable for bonding aquariums.
- Do not use in applications where continuous water immersion is possible.
- Discoloration due to chemicals, high temperatures, UV-radiation may occur. A change in color does not affect the technical properties of the product.
- Contact with bitumen, tar or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discolouration and loss of adhesion.

### **Environmental clauses**

*Lead regulation:*

Sumogrip Foil 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.