Sumogrip - Original
Technical Data

Technical Characteristics:

Basis	**MS Polymer**
Consistency	**Stable Paste**
Curing	**Moisture Curing**
Skin Formation (*) (20°C/65% R.V.)	**Ca. 5 min.**
Curing Speed (*) (20°C/65% R.V.)	**3 mm/24h**
Hardness	**65 ± 5 Shore A**
Density	**1,47 g/ml**
Elastic Recovery (ISO 7389)	**> 75%**
Maximum Allowed Distortion	**± 20%**
Temperature Resistance	**-40°C → 90°C**
Max. Tension (DIN 53504)	**3.20 N/mm²**
Elasticity Modulus 100% (DIN 53504)	**2,30 Nmm²**
Elongation at Break (DIN 53504)	**400%**
Application Temperature	**-5°C → 35°C**

(*) these values may vary depending on environmental factors such as temperature, moisture, and type of substrates

Product:
Sumogrip Original is a high quality, neutral, elastic, one-component adhesive sealant based on MS-Polymer with a very high initial tack.

Properties:
- High initial tack reducing the need for initial support.
- Fast curing
- 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
- Good colour stability, weather and UV resistance
- Does not contain isocyanates and no silicones
- Good adhesion on moist substrates

Packaging:
- Colour: White
- Packaging: Cartridge 290ml

Applications:
- Sealing and bonding in the building and construction industry.
- Elastic bonding of panels, profiles and other pieces on the most common substrates (wood, MDF, chipboard, etc).
- Elastic structural bonding in car and container industry.
- Joints in bathrooms and kitchens.

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

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 beyond our control, no liability under this publication are accepted. In every case it is recommended to carry out preliminary experiments. DIPT Group reserves the right to modify products without prior notice.

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Substrates:
- *Substrates*: all usual building substrates, treated wood, PVC, plastics.
- *Nature*: clean, dry, or slightly moist, free of dust and grease.
- *Surface Preparation*: Porous surfaces in water loaded applicators should be primed. All smooth non-porous surfaces can be treated with a contact cleaner and thinner solution.
- We recommend a preliminary adhesion test on every surface.
- Not suitable for PE, PP, PTFE bituminous substrates, copper or copper-containing materials such as bronze and brass. We recommend a preliminary adhesion and compatibility test on every surface.

Joint Dimensions:
- Minimal width: 2mm (bonding)
  5mm (joints)
- Maximal width: 10mm (bonding)
  30mm (joints)
- Minimum depth: 5mm (joints)
- Recommendation (sealing jobs): width of joint = 2 x depth of joint

Application:
- *Application Method*: With a manual, electric or pneumatic caulking gun.
- *Cleaning*: immediately after use.
- *Finishing*: with a soapy solution before skinning.
- *Repair*: with the same material.

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

Liability:
- The consent 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.

Remarks:
- Sumogrip Original 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 Original 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 compatibilty test.
- 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.
- Sumogrip Original cannot be used as a glazing sealant.
- Sumogrip Original can be used for bonding of natural stone, but it cannot be used as a joint sealant on this type of surface. Sumogrip Original can therefore only be used on the bottom of natural stone tiles.
- When applying, make sure not to spill any sealant on the surface of materials.

Environmental Clauses:
Leed regulation:
Sumogrip white 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.

Emicode Class:
Sumogrip Original conforms to the requirements of Emicode Class EC1 Plus.

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