

### Technical Characteristics:

<b>Basis</b>	SMX Hybrid Polymer
<b>Consistency</b>	Stable Paste
<b>Curing</b>	Moisture Curing
<b>Skin Formation (*) (23°C/50% R.H.)</b>	Ca. 5 min.
<b>Curing Speed (*) (23°C/50% R.H.)</b>	2 mm/24h □ 3 mm/24h
<b>Hardness**</b>	65 ± 5 Shore A
<b>Density</b>	1,52 g/ml
<b>Elastic Recovery (ISO 7389)**</b>	> 75%
<b>Maximum Allowed Distortion (ISO 11600)</b>	± 20%
<b>Max. Tension (ISO 37)**</b>	3,80 N/mm <sup>2</sup>
<b>Elasticity Modulus 100% (ISO 37)**</b>	3,00 N/mm <sup>2</sup>
<b>Elongation at Break (ISO 37)**</b>	200%
<b>Hand tight (*)</b>	After 20 min (after pressing firmly)
<b>Adjustable Until</b>	Ca. 5 min
<b>Temperature Resistance**</b>	-40 °C □ 90 °C
<b>Application Temperature</b>	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:

Sumogrip Superfast is a high quality, neutral, elastic, one-component adhesive-sealant with very fast strength build-up based on SMX-polymer. Fix ALL Turbo is a KOMO-certified construction adhesive based on BRL3107.

### Properties:

- Quickly manipulable and very fast build-up of strength with thin adhesive layer and on porous substrates.
- Very high final strength
- Good extrudability
- Good adhesion to most common substrates, even on slightly wet substrates
- Permanently elastic after curing
- Can be painted with water based systems
- Good weather and UV resistance
- No staining on porous surfaces such as marble, granite and other natural stones

### Packaging:

- Colour: white, other colors on request
- Packaging: 290 ml cartridge, 125 ml tube, 600

### Applications:

- Bonding in building and metal industry.
- Elastic bonding of objects, panels, profiles and other pieces on the most common substrates.
- Sealing and bonding in the building and construction industry.

### Shelf life:

15 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.

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.

## Substrates:

- Substrates: all usual building substrates, treated wood, PVC, plastics.
- Nature: rigid, clean, dry or slightly moist, free of dust and grease.
- Surface preparation: Porous surfaces should be primed with Primer 150. Prepare nonporous surfaces with a Soudal activator or cleaner (see Technical Data Sheet).
- Fix ALL Turbo has been tested on the following metal surfaces: steel, AlMgSi1, electrolytic galvanised steel, AlCuMg1, flame galvanised steel, AlMg3 and steel ST1403. Sumogrip Superfast also has a good adhesion on plastics: polystyrene, polycarbonate (Makrolon®), PVC, ABS, polyamide, PMMA, 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.
- 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 Superfast is not recommended in these applications.
- Not suitable for PE, PP, PTFE (eg Teflon®), bituminous substrates, copper or coppercontaining materials such as bronze and brass.
- We recommend a preliminary adhesion and compatibility test on every surface.

## Application:

- Application method: Apply the adhesive by means a caulking gun in uniform adhesive strips or dots (every 15 cm) on one of the substrates. Always apply an adhesive dot or strip on the corner and edges of panels.
- Do not apply the glue in a closed circumference, but interrupted. Bond the substrate and tamp with a rubber hammer. If necessary, support the bonded materials. For bonding on absorbent and porous substrates with thin adhesive layer, the adhesive is already hand tight after approx.
- 20 minutes and can be loaded after about 3 hours. Thicker adhesive layers or nonabsorbent substrates extend the curing time.
- Cleaning: Clean with Maxitek Rayon Bamboo Antibacterial Multi Wipes.
- Finishing: With a soapy solution or with Maxitek Bamboo wipes.
- Repair: With the same material.

## Remarks:

- Sumogrip Superfast is paintable with most waterbased 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 Superfast can not be used as a glazing sealant.
- Not suitable for bonding aquariums.
- Do not use in applications where continuous water immersion is possible.
- Not suitable for sanitary applications.
- Sumogrip Superfast can be used for bonding of natural stone, but it cannot be used as a joint sealant on this type of surface. Sumogrip Superfast can therefore only be used on the bottom of natural stone tiles.
- When applying, make sure that the surface of the materials is not smudged with sealant.
- 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.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- Sumogrip Superfast has a good UV resistance but can discolour under extreme conditions or after very long UV exposure.
- Discoloration due to chemicals, high temperatures, UV-radiation may occur. A change in color does not affect the technical properties of the product.

## 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

**Health and Safety Recommendation:**

- Take the usual labour hygiene into account.
- Consult label for more information.

**Standards:**

- NL: KOMO certificate Nr. 33275 construction adhesive based on BRL3107.
- Declaration of compliance ISEGA - Tested for use in foodstuffs-related area.

**Environmental Clauses:**

- Leed regulation:
- Sumogrip Superfast 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 VOCcontent.

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