

MULTIBOND SMX50 - SEAL & STICK FC

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Technical Characteristics:

Base	SMX® Hybrid-polymer
Consistency	Paste
Curing System	Moisture Cure
Skin Formation (*) (20°C/65% R.V.)	Ca. 10 min.
Curing Rate (*) (20°C/65% R.V.)	3 mm/24h
Hardness (DIN 53505)	40 ± 5 Shore A
Specific Gravity (DIN 53479)	1,67 g/mL
Maximum Deformation	± 20 %
Elastic Recovery (ISO 7389)	> 75 %
Temperature Resistance (fully cured)	-40°C to +90°C
Elasticity Modulus 100 % (DIN 53504)	1,00 N/mm ²
Tear Strength (DIN 53504)	1,50 N/mm ²
Elongation at break (DIN 53504)	400 %



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

Product:

Multibond SMX50 Seal & Stick FC is a one component, high quality adhesive / single with high adhesive strength. It is fast curing and suitable for trafficable applications. It is based on SMX® Hybrid-polymer.

Characteristics:

- good applicability and toolability
- high adhesive strength
- permanent elastic after cure
- paintable with waterbased paints

Applications:

- Flexible sealant for trafficable internal & external movement joints
- Adhesive / trafficable sealant for the building and construction industry
- Fast curing sealant under all waterproofing membranes including, solvent based, water based, acrylic, etc. A minimum curing time of 30 mins must be allowed before over coating.
- Adhesive / sealant for the industrial industry
- Adhesive / trafficable sealant for sanitary, bathroom and kitchen areas – resists mould growth
- Trafficable sealant for floors and perimeter joints
- Adhesive / sealant for roofing & guttering
- Adhesive / sealant for caravan, bus, automotive, etc

Applications: continued

- Adhesive / sealant around glass and glazing (non-structural)
- Multibond is non-staining and suitable for sealing on natural stone on condition the joint dimensions and joint movement are respected. Avoid permanent pressure on the sealant.

Packaging & Colour:

290ml cartridge – white, concrete grey, black
600ml sausage – white, concrete grey, black

Shelf Life:

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

Resistance to chemical agents:

Good resistance to water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis. Poor resistance to aromatic solvents, concentrated acids, chlorinated hydrocarbons.

Substrates:

Nature: clean, free of dust and grease

Priming: Porous surfaces should be primed with Primer 150, Surface Activator may be used on non-porous surfaces.

We recommend preliminary compatibility tests previous to application.

Remark: 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. In every case it is recommended to carry out preliminary experiments.

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Revision: 10/12/2015**Page 2 of 2****Joint dimensions:**

Minimal width: 2mm (bonding)
5mm (joints)

Maximal width: 10mm (bonding)
30mm (joints)

Minimum depth: 5mm (joints)

Recommendation: width of joint = 2x depth of joint

Application:

Method: Manual- or pneumatic caulking gun

Application temperature: +5°C until +35°C

Cleaning: Fix ALL Cleaner immediately after application and before curing

Tooling: with soapy solution before skin formation

Joint Design: Refer to Joint Preparation & Joint Dimensions document our website – www.soudal.com.au

Repair with: MULTIBOND SMX50 SEAL & STICK FC.

Health- and Safety Recommendation:

Apply the usual industrial hygiene.

Check the packaging for more information

Remarks:

- Multibond SMX50 Seal & Stick FC 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.
- Due to the wide variety of possible substrates, Soudal recommends a preliminary compatibility tests.
- This product cannot be used as a glazing sealant.

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