

MULTIBOND SMX35 - SEAL & STRETCH

Technical Characteristics:

Base	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.)	2-3 mm/24h
Hardness (DIN 53505)	35 ± 5 Shore A
Specific Gravity (DIN 53479)	1,60 g/mL
Maximum Deformation	± 20 %
Elastic Recovery (ISO 7389)	> 75 %
Temperature Resistance (fully cured)	-40°C to +90°C
Elasticity Modulus 100 % (DIN 53504)	0,80 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 SMX35 Seal & Stretch is a high quality single component joint sealant with high adhesive strength. It is based on hybrid-polymer.

Characteristics:

- good applicability and toolability
 - high adhesive strength
 - permanent elastic after cure
 - paintable with waterbased paints
- Flexible joint sealant used for internal & external movement joints & resistant to UV
 - Water potable AS/NZS 4020:2005, Report ID 125774 (Concrete Grey only)
 - Sealant expansion joints for the building and construction industry
 - 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.
 - Sealant for construction joints
 - Sealant for precast concrete joints
 - Sealant for the industrial industry
 - Sealant for sanitary, bathroom and kitchen areas - resists mould growth
 - Sealant for natural stone (marble, granite, etc)
 - Sealant for walls and perimeter joints
 - Sealant for roofing, guttering and cladding

Applications: continued

- Sealant for water retaining structures
- Sealant for air conditioning ducting
- Sealant prior to painting (can be painted once skinned).
- Sealant for caravan, bus, automotive, etc
- Sealant around glass and glazing (non-structural)

Packaging & Colour:

290ml cartridge - white, concrete grey, black
600ml sausage - white, concrete grey, black, off white, beige, sandstone, dark grey.

Shelf life:

12 -18 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +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.

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****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.

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: Soudal Sealant Remover or Soudal Cleaner & Degreaser immediately after application and before curing

Tooling: with Soudal Finishing Solution before skin formation

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

Repair with: MULTIBOND SMX35 SEAL & STRETCH.

Health- and Safety Recommendation:

Apply the usual industrial hygiene.
Check the packaging for more information

Remarks:

- Multibond SMX35 Seal & Stretch 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 structural glazing sealant.

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