

FORZA MS 20

One Part Elastic Sealant

TECHNICAL DATA SHEET

Forza MS 20 is a one-part MS Polymer permanently elastic construction sealant. It is a low modulus sealant with excellent adhesive properties and resistance to ageing and weathering. Suitable for sealing of expansion and construction joints in vertical and horizontal applications. Unique Non- shrink formulation.

- **Good adhesion on all typical construction materials**
- **Paintable**
- **No bubble formation, odourless**
- **Permanently elastic over a wide range of temperatures**
- **Accommodates joint movement +/- 25%**
- **Easy to gun, easy to tool**
- **Excellent resistance to ageing and weathering**



Superior adhesion properties, ideal product for commercial applications ideally suited for expansion joints.

Excellent resistance to aging, weathering.

Suitable for internal and external wall and floor applications.

Compatible with Novaproof modified polyurethane waterproofing membranes, renders and textures.

Low VOC content which easily meets Green Building Council of Australia Green Star IEQ-13 requirements.

novatex
new generation building products

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Designed for fixing

Suitable for internal and external wall and floor applications.

Ideal for bonding a large range of materials including metals, sheet steel (Galvanised, plated and painted), untreated or anodised aluminium, brass, copper, glass, wood, concrete and many ridged plastics. Sealing of low movement wall and floor joints, ideal for fixing ACC floor panels.

Ideal for application for joints under Novaproof modified polyurethane waterproofing membrane.

Substrates

Concrete, renders, screeds, Novaproof waterproofing membrane, blockwork, Gyprock, plasterboard, fibre cement, Dintel wall systems, AAC Panel and particle board surfaces.

Preparation

Ensure surfaces are sound and free from movement, oil, grease, wax, dust, any curing and release agents and any other barrier materials. Surface needs to be dry before tiling, with no residue or permanent damp. Remove all loose particles or residues with sand paper or hand brush. Glass, metal and other non-porous surfaces must be free of any coatings and wiped clean. Pierce through one side of the sausage and fit into gun prior to use. The optimum operating temperature for both substrate and sealant is between 15°C and 25°C.

Concrete & Cement Render Screeds

Ensure all concrete slabs are allowed to cure for at least 7 days in accordance with AS 3958.1-2007. The maximum variation in the plane of the concrete must not exceed 5mm in 3 metres for floors and 4mm in 2 metres for walls. Steel troweled finished concrete surfaces must be mechanically abraded or primed first using Optimus Primer.

All render surfaces must be allowed to cure for at least 24 hrs. prior to commencing.

Plaster Board /Fibre Cement Sheet Wall and Floor

Fibre cement sheets when used as an underlay or wall/floor material must be a minimum of 6mm in thickness for walls and 10 mm thickness for floors. For heavy commercial application it should be a minimum of 8mm for walls and 15mm thickness for floors and be fixed in accordance with the manufacturer's specifications and the relevant standards.

Compressed fibre cement sheets when used as wall or floor material must be at least 15 mm in thickness for floors and 9mm thickness for walls and be fixed in accordance with the manufacturer's specifications and the relevant standards.

Plasterboard sheets when used as wall material must be at least 10mm thickness for walls and be fixed in accordance with the manufacturer's specifications and the relevant standards.

Existing Tiles

Tiles need to be sound and clean. Remove all cracked, drummy or otherwise unsound tiles and repair appropriately. Grout joints need to be free from adhesive prior to sealing. Contact Novatex Products before commencing if in doubt about required surface preparation.

Sealing and Finishing

In order to guarantee free movement of sealant joints, firmly extrude sealant and apply in the joint making sure that it is in full contact with both sides of the joint. Keep the nozzle in the sealant, continue on with a steady flow of sealant preceding the nozzle to avoid air entrapment. Sealant should be tooled to a smooth finish ensuring a full contact the sides and back up material into the joint, this will also contribute in breaking the air bubbles which may be formed inside the sealant. Masking tape should be used where sharp exact joint lines or exceptionally neat lines are required.

Tooling and finishing must be carried out within the tack free time of the sealant. Forza MS 20 can be painted over using Nova Coat Solartite membrane paint.



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Coverage

Coverage on Forza MS 20 will vary depending on application.

Packaging

Forza MS 20 is available in a 600ml Sausage.

Shelf Life

Forza MS 20, when kept in a cool, dry environment, and stored above ground level, will have a shelf life of approximately 12 months

Clean up

Clean tools with acetone or alcohol immediately after use. Cured material can only be removed mechanically.

Precautions

Do not apply Forza MS 20 in temperatures below 5°C and above 35°C.

Do not use to seal joints in chlorinated swimming pools

Avoid contact with alcohol and other solvent cleaners during curing.

For applications or situations not mentioned in this data sheet please contact Novatex Products Pty Ltd.

For a full MSDS for Novaflex Plus please contact Novatex Products Pty Ltd.

Keep out of reach of children. If skin contact occurs, remove immediately and wash with soap and water.

Technical data

Colours	White, Grey
Curing rate (1 day at 23°C and 50% R.H.)	2 mm/24h
Shore A (23°C and 50% R.H.)	20
Tack-Free Time (23°C and 50% R.H.)	120mm – 140mm
Elastic modulus at 100% (ISO 37 DIN 53504)	≥ 0,4 N/mm ²
Elongation (ISO 37 DIN 53504)	≥ 600 %
Joint movement capability	25%
Application Temperature	from +5 to +40°C
Temperature Resistance (after curing)	-40°C to 90 °C

