

FORZA FC 50

One Part Elastic Polyurethane Fast Cure Adhesive/Sealant

TECHNICAL DATA SHEET

Forza FC 50 is a high performance, fast cure dual purpose adhesive and sealing compound with permanent elasticity. It bonds well to a wide variety of substrates and enables permanent elastic sealing with high adhesive strength between most common metals, painted surfaces, GRP, PVC and other rigid plastics.

- **One-component polyurethane**
- **Permanently flexible and stable**
- **Bonds and seals at the same time**
- **Non sag consistency**
- **Fast drying**
- **Acrylic modified**



Allows equalised stress transfer due to permanent elasticity.

Suitable for wall and floor applications and internal and external use.

Excellent resistance to aging, weathering.

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

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Designed for fixing

Suitable for internal and external wall and floor applications.

Bonds to a wide range of substrates such as concrete, wood, metal, painted surfaces and plastics. 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

Pre-test substrate for adhesion. Cleaners and /or primers may be required to achieve optimal adhesion.

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. Pre- cat panels using form release agents other than polyethylene film must be sandblasted or mechanically abraded and dust free.

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 sheeting must be the correct sheeting for the installation and be used and installed in accordance to the manufacturer's written specifications. The surface must be primed with NovaPrime.

Plasterboard sheets must be the correct sheeting for the installation and be used and installed in accordance to the manufacturer's written specifications. The surface must be primed with NovaPrime.

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.



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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 FC 50 can be painted over using Nova Coat Solartite membrane paint.

Coverage

Coverage on Forza FC 50 will vary depending on application.

Packaging

Forza FC 50 is available in a 600ml Sausage.

Shelf Life

Forza FC 50, when kept in a cool, dry environment, and stored above ground level, will have a shelf life of 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 FC 50 in temperatures below 5°C and above 35°C.

Avoid exposure to high levels of chlorine (Avoid sealing 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	Grey, Black
Curing rate (1 day at 23°C and 50% RH)	3 mm/24h
Shore A (23°C and 50% RH)	40
Tack-Free Time (23°C and 50% RH)	50 min
Elastic modulus at 100% (ISO 37 DIN 53504)	≥ 0,8 N/mm ²
Tensile strength (ISO 37 DIN 53504)	≥ 1,8 N/mm ²
Elongation (ISO 37 DIN 53504)	≥ 450%
Application Temperature	from +5°C to +40°C
Temperature Resistance (after curing)	-40°C to +90°C
Packaging	600 ml sausage

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