

TECHNO CRACK REPAIR

PRODUCT DESCRIPTION

Techno Epoxy Crack Repair is a two-component, 100% solids, semi-rigid, self-leveling epoxy designed for filling cracks and control joints in concrete substrates.

Formulated for horizontal applications, it helps protect joint edges and reduce spalling in trafficable floors. Standard colour is grey. A wide range of custom colours may be available on request.

KEY BENEFITS

- ✓ Protects joint edges and helps prevent spalling in control joints
- ✓ High bond strength
- ✓ Resistance to mild acids/alkalis and incidental contact with aromatic solvents
- ✓ Excellent thermal shock resistance
- ✓ Self-leveling formulation suited to horizontal surfaces

COMPATIBLE APPLICATIONS & SURFACES

- Filling concrete construction joints
- Control joints
- Cracks in concrete
- Traffic loop sealant
- Wire sealant

BASIC APPLICATION INSTRUCTIONS

1. Prepare the joint/crack: saw-cut or chase to sound edges. Remove dust, laitance, and loose material; vacuum clean.
2. Set depth where required using a suitable backer rod. Mask both sides of the joint to keep clean edges.
3. Mix: pre-mix Part A and Part B separately, then combine at 1:1 by weight. Mix thoroughly until uniform. Do not thin.
4. Apply: pour into the joint/crack and allow to self-level. Use a squeegee/putty knife to assist and avoid air entrapment.
5. Finish: remove masking tape before the epoxy cures. Once cured, shave or grind flush if required prior to coating/overlay.
6. Cure: protect from traffic until tack-free. Cure times vary with temperature—refer to the Technical Information table.

Always follow site-specific specifications and consult the SDS before use.

TECHNICAL INFORMATION

Mix Ratio (A + B)	1:1 by Weight
Components	Epoxy Resin and Hardener
Colour	A: Grey B: Grey
Finish	High Gloss
Viscosity (mixed)	7,000 to 9,000 cP
Gel Time (100 g)	40 to 50 mins @ 24 °C
Pot Life (full unit)	30-45 mins @ 24 °C
Tack-Free Time	5-6 hrs @ 24 °C
Shore A Hardness	80-90 (ASTM D2240)
Tensile Strength	2.5 MPa (ASTM D638)
Tensile Elongation	100% (ASTM D638)
Packaging	4 kg kit (2 kg A / 2kg B)
Shelf Life	2 years (unopened, properly stored)

COVERAGE

Approximate L per 30 m of joint

Joint Depth	Joint Width (cm)			
	0.65	1.5	2.0	2.5
0.65 cm	1.3	2.9	3.9	4.9
1 cm	2.0	4.5	6.0	7.5
1.5 cm	3.0	6.8	9.0	11.3
2.0 cm	3.9	9.0	12.0	15.0
2.5 cm	4.9	11.3	15.0	18.8

DISCLAIMER

For use in horizontal cracks and control joints. Not intended as a structural repair system or for expansion joints subject to significant movement. Always ensure the substrate is clean, sound, and properly prepared prior to application. Results may vary with joint dimensions, temperature, and site conditions.

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