



PRODUCT DATA SHEET

➤ ADMIXTURES

➤ ADHESIVES

➤ WATERPROOFING

➤ SURFACE TREATMENTS

➤ CONCRETE REPAIRS

➤ INDUSTRIAL FLOORINGS

➤ SEALANTS

➤ FUMIGATION

➤ GROUTS & ANCHORS

DURA INJECTION RESIN

BI-COMPONENT EPOXY BASED INJECTION & SEALING RESIN

"Introducing DURA INJECTION RESIN, a cutting-edge, 100% reactive two-component substance meticulously crafted as a moisture-resistant adhesive, meticulously engineered for diverse injection and sealing applications. This high-modulus formula boasts exceptional fluidity, ensuring effortless penetration into even the narrowest cracks.

UTILIZATIONS

- Achieve enduring adhesion for structural repairs
- Ideal for use in parking structures, bridges, and marine constructions
- Effective for retaining walls and addressing earthquake damage
- Suitable for vertical and overhead applications
- Provides a permanent solution for a variety of structural damages

FEATURES & ADVANTAGES

- Superior adhesive for precise pressure injection of fine cracks
- Exhibits moisture insensitivity, ensuring strong bonds to both dry and damp surfaces
- Creates a robust, weather-resistant seal specifically designed for porous concrete
- Penetrates deeply into concrete cracks and fissures for thorough and lasting results
- Formulated with a precise 3 to 1 mixing ratio, compatible with a wide range of injection equipment

PACKAGING

DURA INJECTION RESIN is available in 3 kg and 1 kg packaging options.

STORAGE AND SHELF LIFE

The shelf life of DURA INJECTION RESIN extends to one year when stored in its original, unopened packaging, ensuring product integrity and performance.

DIRECTIONS FOR APPLICATION

CRACK INJECTION

Gravity feed or apply pressure for horizontal cracks; pressure injection is required for vertical and overhead cracks. Insert one-way polyethylene valves into drill holes at the crack face. Seal areas around entry ports and between ports with Ultra DURA FAIRING MAT. Utilize an epoxy injection machine or other mechanical means for injection, ensuring equipment is set for a 3 to 1 mixing ratio (Part A to Part B) by volume.

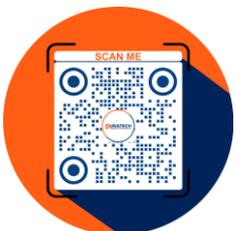
MIXING

All materials should be within the temperature range of 60oF (16oC) - 90oF (32oC). Mix resin

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and hardener (Parts A and B) for 2 minutes using a drill and mixing prop. Add part B to part A for easier mixing. Thoroughly mix epoxy to ensure a proper chemical reaction.

CRACK HEALING

After mixing, pour or squeegee epoxy into cracks, allowing it to seep in. Continue applying material until the crack is filled.

PRECAUTIONS / LIMITATIONS

- ✓ This product is primarily intended as an adhesive; while use as a coating is allowed, better performance may be expected from the TUFCOAT or EUCOTHANE product line.
- ✓ Product color may vary, and prolonged exposure to sunlight may result in yellowing and chalking.
- ✓ Bring the material close to 70oF (21oC) before usage. Store in a room temperature environment 24 hours prior to use; avoid heating with an open flame.
- ✓ Epoxy components may cause irritation; avoid contact with skin and eyes.
- ✓ Always wear protective clothing (rubber gloves, eye protection, etc.) when using the product
- ✓ Clean tools and equipment with a solvent such as EUCO SOLVENT, xylene, xylol, toluene, or MEK. Prevent epoxy from hardening on equipment.

STORAGE GUIDELINES

Exercise caution by avoiding direct exposure to sunlight, and consistently store the materials in shaded areas to preserve their integrity and performance.



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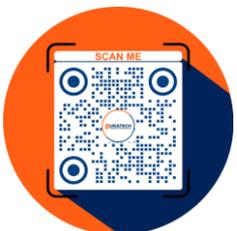
➤ GROUTS & ANCHORS

TECHNICAL INFORMATION	
Typical Engineering Data	
Ultimate tensile strength	
ASTM D638 9,000 psi (62 N/mm ²)	
Tensile elongation at break	
ASTM D638 3.5%	
Shear bond strength	
ASTM C882 3,800 psi (26 N/mm ²)	
Tensile modulus of elasticity	
ASTM D638 0.46 x 10 ⁶ psi (3172 N/mm ²)	
Shore D hardness	
ASTM D2240 85	
Flexural strength	
ASTM D790 14,000 psi (97 N/mm ²)	
Viscosity 4.0 poise at 65°F (20°C) and 2.0 poise @35 °C.	
S.G	1.08
Gel Time	
1 gal (3.8 liter) unit 26 min- one hour.	
Mix Ratio	
Part A to Part B 3 to 1 volume	
Compressive Strength - ASTM D695	
1 day 14,000 psi (97 N/mm ²)	
3 days 18,200 psi (126 N/mm ²)	
7 days 20,000 psi (138 N/mm ²)	
14 days 22,000 psi (152 N/mm ²)	

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WARRANTY:

Duratech Construction Chemicals ("Duratech") affirms and warrants exclusively that its products shall be devoid of any defects in materials and workmanship for a duration of six (6) months from the date of purchase. Without written authorization from a designated Duratech officer, no other statements or representations made by Duratech or its representatives, whether conveyed in written or oral form, shall have the authority to modify this warranty. Duratech explicitly **DISCLAIMS ALL WARRANTIES, IMPLIED OR OTHERWISE**, pertaining to the merchantability or fitness for ordinary or specific purposes of its products. In the event of any Duratech product failing to meet this warranty, Duratech commits to replacing the product at no expense to the Buyer.

The replacement of the product stands as the sole and exclusive remedy available, and the Buyer shall not have any entitlement to claims for incidental or consequential damages. Any claims under this warranty must be initiated within one (1) year from the date of the alleged breach. Duratech expressly does not empower any individual on its behalf to make written or oral statements that would alter the installation information or instructions found in its product literature or on packaging labels. Any installation of Duratech products that deviates from such information or instructions will result in the voidance of this warranty. Product demonstrations, if conducted, serve purely as illustrations and do not constitute a warranty or modification of any nature. The Buyer assumes complete responsibility for evaluating the suitability of Duratech's products for their intended purposes.

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