

THE SOLUTION

FLEXCOAT

R-270



**Structural Epoxy
for Concrete Crack Repair**

R-270

Description

The Romtech R-270 structural epoxy, is a 2 component epoxy adhesive specially formulated for the repairs of structural concrete by using pressure injection. It is of low consistency to allow the material to penetrate and fill even a hair line cracks. It cures to a durable, weather resistance bonding agent that permanently bridge the cracks of concrete and restores the structural strength of the damaged slab while sealing it against intrusion of water, humidity and harmful gases that could severely affect the reinforcing bars of the building.

Uses

Romtech R-270 Structural Epoxy, is recommended for the repair of crack's of concrete on floor and wall slabs, beams and girders, storage tanks, roof-decks, and other damaged concrete structures that require more cost-efficient, convenient, and time saving systems of restoration. Romtech R-270 works where other similar epoxies failed.

Applications

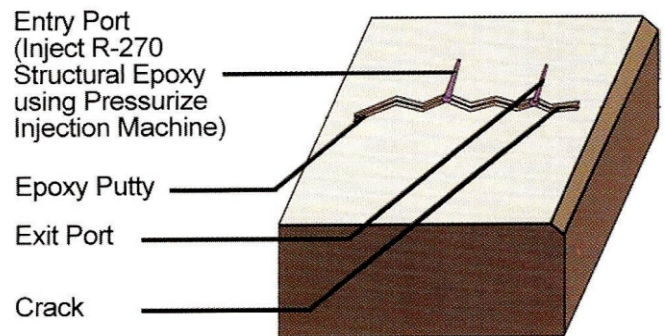
- V – Cut the Surface along the crack line.
- Blow off the dust, debris and other contaminants.
- Install injection ports at regular intervals along the cracks.
- Seal off the V- cut surface using epoxy putty.
- Leave it for 24 hours for the putty to harden.
- With pressure injection equipment, pump in the properly mixed components A and B Romtech R-270 at the starting port until the material comes out of the adjoining port.
- Repeat the procedure until all the cracks have been completely filled.
- Leave it for 24 hours fill curing time for the injected epoxy.

Caution

Avoid contact with eyes and skin. Wash off uncured materials using soap and water. Store in cool, dry places.

APPLICATION / INJECTION OF R-270 STRUCTURAL EPOXY

(For Roofdeck Floor Slab / Crack Repairs)



ISOMETRIC DETAIL

Physical Properties

Components:	A - 100% Liquid Epoxy Resin B – Modified Polyamide Hardener 1 part component B by volume
Mix Ratio:	2 components
Pot Life (Work Time):	30 minutes at 25°C
Initial Cure Time:	36 hours
Comprehensive Strength:	8,000 psi (pressure/sqr. inch)
Tensile Strength:	3,000 psi (pressure/sqr. inch)
Adhesive Shear Strength:	1,500 psi (pressure/sqr. inch)
Packing:	Part A – 2/3 gallon Part B – 1/3 gallon