

FLEX-1050 FLEXIBLE RESIN

TECHNICAL DATA SHEET

DESCRIPTION

FLEX-1050 is a dual component, mid-range viscosity, moisture activated MDI/TDI blended polyurethane injection resin. This high quality resin is designed for sealing active water leaks in various cracks or joints in below-grade structures. FLEX-1050 can withstand high water flows as it can absorb up to 10 times its weight in water. It cures to form resilient and flexible, yet tough, closed-cell foam with excellent adhesive qualities.

APPLICATION

- Midsize cracks or joints in concrete
- Stops infiltration in manholes, basements, retaining walls, pipe penetrations, etc.
- Use for applications that where the flexibility and variability is desired
- Excellent choice for moving cracks and joints

ADVANTAGES

- Mid-range viscosity penetrates well
- Expands 400% – 600%
- 100% Solids
- Solvent-free and non-corrosive
- Forms a resilient, flexible foam with superb adhesive properties
- Can accept up to 10X its weight in water

HOW IT WORKS

FLEX-1050 is a dual-component resin that reacts within seconds to form a resilient, flexible seal accomplished by three mechanisms: the resin is mixed via a static mixer at the point of injection at a 1:1 ratio and adheres to the surface, then begins to expand forming a tight compressive seal while the

network of compressed grout material within all the cracks forms a mechanical lock.

MIXING

Holding the dual-pack in an upright position, remove tip cover and snap off the tips. Attach nozzle and tightly screw on plastic nut. Insert the duo-pack into the injection gun. No measuring required.

PROPERTIES*

UNCURED

Appearance:	Part A: Amber Color Part B: White
Viscosity:	650-800 cP @ 72°F (22°C)
Flash Point:	>200°F (>93°C)
Specific Gravity:	1.147 @ 72°F (22°C) ± 3%
Weight:	9.56 lb/gal ± 3% (1145 kg/L ± 3%)

CURED

Appearance:	Milky colored flexible foam
Tensile Strength:	TBD
Elongation:	TBD

*Laboratory Results

PERFORMANCE

For best results, use between 60°F – 90°F (16°C –32°C). Performance will be influenced by site conditions. If site temperatures are low, use a heat source to warm to ~72°F (22°C) and apply. Do not use open flame as a heat source.

STORAGE

Store in room temperatures within or near 60°F - 100°F (16°C - 38°C) in a dry, dark atmosphere. Do not expose to direct sunlight. Keep away from combustible products and open flames.

SAFETY

Always use OSHA-approved personal protective equipment (PPE). Refer to the SDS for complete safety precautions.

WARRANTY

The data, information and statements contained herein are believed to be reliable, but are not construed as a warranty or representation for which Flexomeric Crack Repair Products Ltd. assumes any legal responsibility. Since field conditions vary widely, users must undertake sufficient verification and testing to determine the suitability of any product or process mentioned in this or any other written material from Flexomeric Crack Repair Products Ltd. for their own particular use. NO WARRANTY OF SUITABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE. In no case shall Flexomeric Crack Repair Products Ltd. be liable for consequential, special, or indirect damages resulting from the use or handling of this product.