

Repairs Cracks & Improves Adhesion

Technical Bulletin # 1014A

Product Description

ITW Polymer Technologies CONCRETE ADHESIVE is a specially formulated epoxy adhesive system designed for pressure injection repairs to concrete and adhesion of new concrete to old concrete.

Use & Benefits

Use CONCRETE ADHESIVE to repair cracks in equipment foundations before grouting or to improve the bond between old concrete and new concrete.

Application Instructions

CONCRETE ADHESIVE is supplied in pre-measured, one gallon units. Mixing is accomplished by pouring the Hardener component into the slack filled Resin can and mixing until homogeneous. The use of a slow speed power mixer with an ITW Polymer Technologies' Jiffy mixer blade is recommended.

When using CONCRETE ADHESIVE between new and old concrete, pour new concrete within 3 hours of application of CONCRETE ADHESIVE while the adhesive is still wet to the touch.

Physical Properties

FLEXURAL STRENGTH	4,600 psi (323 kg/cm ²)	ASTM C-582
FLEXURAL MODULUS OF ELASTICITY	1.15 x 10 ⁵ psi (80870 kg/cm ²)	ASTM C-582
ELONGATION	56%	
TENSILE STRENGTH	4,050 psi (285 kg/cm ²)	ASTM D-640
HARDNESS - BARCOL	62 @ 72°F (22°C) - 24 hours 78 @ 72°F (22°C) - 48 hours	
SERVICE TEMPERATURE		
SPECIFIC GRAVITY	1.07 gm/cm ³	
VISCOSITY	1,000 to 1,500 cps @ 72°F (22°C)	

Product Information

COVERAGE	230 in ³ (3769 cm ³)
APPLICATION TEMPERATURE	Above 13°C (55°F)
CURE TIME (approximate)	18 hours @ 72°F (22°C) 48 hours @ 72°F (22°C)
POT LIFE	40 Minutes @ 72°F (22°C)
CLEAN UP	IMPAX IXT-59 Solvent or equal
UNIT PACKAGING	Resin (NH): 2.1 L (0.56 gal) in a 1 gal can Hardener (NH): 1.7 L (0.45 gal) in a ½ gal can
UNIT WEIGHT	Resin: 2.5 kg (5.6 lbs) Hardener: 1.6 kg (3.6 lbs)
SHIPPING WEIGHT	4.8 kg (10.5 lbs)
SHELF LIFE	1 year

ITW POLYMER TECHNOLOGIES

130 Commerce Drive • Montgomeryville, PA 18936 • 215-855-8450 • Fax 215-855-4688

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