

# ITW PHILADELPHIA RESINS CONCRETE ADHESIVE

TECHNICAL BULLETIN # 1014

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

## **APPLICATION:**

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 Philadelphia Resins' 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:**

COLOR:	Amber
CURE TIME:	18 hours @ 72°F (22°C)
ELONGATION:	56%
FLEXURAL MODULUS:	1.15 x 10 <sup>5</sup> psi (80870 kg/cm <sup>2</sup> )
FLEXURAL YIELD:	4,600 psi (323 kg/cm <sup>2</sup> )
FULL CURE:	48 hours @ 72°F (22°C)
HARDNESS - BARCOL:	62 @ 72°F (22°C) - 24 hours 78 @ 72°F (22°C)- 48 hours
HARDNESS - SHORE "D":	75 @ 72°F (22°C)- 24 hours
NET WEIGHT PER GALLON UNIT - MIXED:	8.9 lbs. (1.07 gm/cm <sup>3</sup> )
POT LIFE:	40 MINUTES @ 72°F (1 gal. batch) @ 22°C (3.8 liter batch)
SHELF LIFE:	1 year
TENSILE STRENGTH:	4,050 psi (285 kg/cm <sup>2</sup> )
VISCOSITY:	1,000 to 1,500 cps @ 72°F (22°C)

## **ITW PHILADELPHIA RESINS**

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