

POWER-FAST EPOXY INJECTION GEL

BASE MATERIAL

Solid Concrete, Block, Brick, Stone or Hollow Masonry

ANCHOR MATERIAL

Two Component Epoxy, Standard Set and Fast Set

PRODUCT DESCRIPTION

The Power-Fast Epoxy Injection Gel is a two component structural epoxy which is packaged in specially designed cartridges made from an engineered plastic which are used with either a manual or pneumatically operated injection tool. The epoxy used is an odorless, premium, high strength epoxy which has a proven track record. Power-Fast Epoxy Injection Gel is designed for use in anchoring threaded rods, bolts, reinforcing bars, and smooth dowels into concrete and other solid base materials. The system can also be used to anchor into hollow masonry materials using threaded rods and screen tubes. In addition to anchoring applications, Power-Fast is occasionally used for bonding steel and cured concrete to cured concrete, for pick proofing applications, for surface sealing cracks, and for placing injection ports.

POWER-FAST CARTRIDGE

Power-Fast meets the installation requirements for most applications. Power-Fast is available in either Fast Set or Standard Set versions to provide the installer with a choice of gel and curing times. For example, in warmer weather, the Standard Set version is normally used as it allows the installer time to properly fill anchor holes prior to the point at which the material begins to gel or solidify.

POWER-FAST CARTRIDGE SYSTEM DISPENSING TOOLS

Power-Fast cartridge can be dispensed from manually or pneumatically operated injection tools. Each tool has a dual piston design which applies even, consistent pressure to the cartridge to ensure proper dispensing.

POWER-FAST MIXING NOZZLES

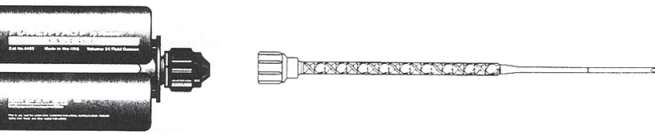
As the components are pumped through the nozzle, they are progressively divided and recombined by the stationary mixing elements to ensure precise automatic mixing of the components. To ensure proper mixing, Power-Fast nozzles should be used.

POWER-FAST MATERIAL PROPERTIES

Power-Fast is an amine based material which meets the requirements of ASTM C881 Types I, II, IV, and V, Grade 3, Classes B and C. The benefits of using an amine based material include no foul odor, better resistance to moisture, and better chemical resistance.

POWER-FAST PHYSICAL PROPERTY DATA

Mixing Ratio: 1 to 1
 Consistency: Smooth, non-sag paste
 Shore Hardness: D 86-90
 (ASTM D 2240)
 Compressive Strength: 10,000 psi
 (ASTM D 695)
 Tensile Strength: 4,700 psi, Fast Set
 (ASTM D 638) 5,400 psi, Slow Set
 Flexural Strength: 6,200 psi, Fast Set
 (ASTM D 790) 6,700 psi, Slow Set
 Slant Shear Strength: 4,900 psi, Fast Set—1 day
 (ASTM D 732) 6,700 psi, Slow Set—14 days
 Water Absorption: 0.59%
 (ASTM D 570)
 Bond Strength (Dry Cure) 3,000 psi, concrete to
 concrete
 (ASTM C 882) 3,000 psi, steel to concrete
 Shrinkage: Not measurable
 (ASTM D 2566)



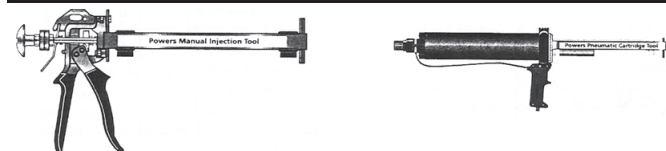
POWER-FAST EPOXY SETTING TIME

The setting times listed for Power-Fast vary according to the volume of epoxy used and the base material temperature. The gel time is the maximum time during which the epoxy can be dispensed before it begins to set. At the minimum curing time the epoxy can support an allowable working load, however, this should be verified by job site testing. The full curing time is the minimum time required for the epoxy to reach its published physical properties

Base Material Temp	Maximum Gel Time (Minutes)		Minimum Curing Time (Hours)		Full Curing Time (Hours)	
	Fast Set	Standard Set	Fast Set	Standard Set	Fast Set	Standard Set
40	30	60	8	16	36	48
60	20	45	3	7	24	36
75	15	35	2	6	24	24
90	10	20	1 1/2	4	16	24

PACKAGING

15 oz. Fast or Standard Set: 12 per carton
 15 oz. 08416 Manual Dispenser: 1 per carton
 22 oz. Fast or Standard Set: 12 per carton
 22 oz. 08418 Manual Dispenser: 1 per carton
 Note: Cartridges come complete with a Powerfast Nozzle



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