



Duraweld-80 2 Part Epoxy Syrup Viscosity

Description:

Duraweld-80 is a solvent free 2 part epoxy binder for concrete and steel reinforcement embedment. It bonds concrete to concrete and is not affected by dampness on concrete. Once mixed will be concrete gray in color and will have an open time of 30 to 45 minutes + or - @ 75° F on the average for use. Heat will accelerate the set and cold weather will slow the setting time. Product has the viscosity of a heavy syrup. (100 c-poise max).

Uses:

Use on cured concrete to bond fresh concrete. Can be used to coat metal reinforcement against corrosion and as general structural adhesive, chemical resistant surface, Will accept silica sand.

Limitations:

Keep cool before mixing. Heat will affect setting times. In hot days units can be cooled in a cool water bath until mixed. Do not use in temperatures below 40° F. Epoxy must be still tacky for bond. If material becomes hard, Removal should be considered instead of re-coating. Caution use in wet surfaces caused by hydrostatic pressure. When used to embed steel into concrete, Hole should be dust free and never bigger than a 1/4 the size of the bar.

Installation:

Only apply to a clean non-dusting substrate. Mix part A with Part B in equal proportions until completely becomes a uniform color . Apply a generous coat to fully cover surface by roller or brush to surface to be bonded. Can be applied to steel and reinforcement as additional protection. Mix only amounts to be used in the allotted time before it becomes difficult to apply. Apply to both surfaces if they are going to be jointed.

Packaging:

Case 2 Gallon kit. (A+B)

Compliance:

Bond: ASTM C-882, Type I,II,VI, V, Grade 2 Class B & C, 1200 psi in 24 hours, 1500 psi in 14 days

Compressive: ASTM D-695, 3000 psi in 24 hours, 10,000 psi in 7 days.

Tensile: ASTM -638, 7000 psi in 14 days

Flexural: ASTM D-790, 7500 psi in 14 days.

Water absorption: ASTM D-570: Less than 0.5%

Tack Free: 2-4 hours at 75° F

Coverage: Up to 100 Sq./Ft. per gallon depending surface profile.

Safety and Clean-up:


Keep away from fire hazards and ignition sources, do not smoke while handling. Use eye, skin protection and avoid breathing fumes, use gloves and breathing chemical mask in well ventilated areas. Clean tools and equipment with Lacquer thinner or Acetone. Request a copy of product MSDS Data for additional information for safe handling of this product. Dispose as solid waste following local and federal laws. Keep away from children and pets.

Warranty: When product is used according to directions, warranty is limited to the refund of the purchase price if deemed defective at manufacture. This product is intended for industrial professional use by competent tradesmen. Builders Construction Products shall not be liable to the purchaser or any third party for costs of labor direct or indirect, and incidental or consequential damages related to the use or suitability of this product. No other warranties are implied. Responsible disposal of used products and packaging is the responsibility of the purchaser and or end user.

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