UNITEX® SLOW SET BONDING AGENT

ULTRA-LONG GEL TIME BONDING ADHESIVE

BENEFITS:

- Ultra Long Gel Time
- Low Exotherm
- Corrosion Inhibiting
- High Modulus
- Medium Viscosity
- Low Odor

Need a longer open time for concrete placement? Is a warmer climate a factor?

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DESCRIPTION

A solvent-free, moisture insensitive, 100 % solids, medium viscosity, high modulus, two component, tropical grade bonding agent and corrosion inhibitor for steel. It meets ASTM-C-881 Types I, II, & V, Grade 2, Classes B & C. It also meets USDA specifications for use in food processing areas. Ideally suited for use in hot weather.

USAGE

- Structural bonding of fresh to hardened and old to old concrete.
- Corrosion inhibitor for steel.

Appearance: component A - gray
component B - amber
Shelf Life:1 year in original unopened container
Storage Conditions: Store at 40°- 95°F (5°- 35°C). Condition material to 65°-85°F (18°- 29°C) before using
Working Time (60 g mass): Up to 8 hrs at 73° ± 2°F (23°C)

APPLICATION

SURFACE PREPARATION: Surface must be clean and sound. It may be dry or damp, but free of standing water. Remove surface contaminants *i.e.* dust, grease, curing compounds, impregnations, waxes, foreign particles and disintergrated materials.

Concrete: Abrasive blast or use other approved mechanical means.

Steel: Abrasive blast or power tool clean to a white metal finish, either SSPC-SP-11 or SP-5.

MIXING: Pre-mix each component thoroughly. Place 2 parts by volume of component A and 1 part by volume of component B into a clean pail. Mix thoroughly for 3 min. with low-speed drill and Jiffy type mixer (400–600 rpm) until uniformly blended. Mix only the quantity that can be used within its gel time.

TO BOND FRESH CONCRETE TO HARDENED CONCRETE: Apply by brush, roller, broom, or spray to cured concrete substrate. Place fresh concrete while SLOW SET BONDING AGENT is still tacky. If coat of SLOW SET BONDING AGENT loses tackiness, before pouring concrete, roughen epoxy surface to create a bonding profile. Recoat with additional SLOW SET BONDING AGENT and proceed.

TO BOND OLD TO OLD CONCRETE: Apply the neat SLOW SET BONDING AGENT with brush, roller, broom, or spray to the substrate working in for positive adhesion. While coating is tacky, join the coated substrates and secure firmly into place. Glue-line should not exceed 1/8 in / 3.2 mm.

TO PROVIDE CORROSION RESISTANCE TO STEEL: Clean steel with abrasive blast or power tool to a white metal finish, either SSPC-SP-11 or SP-5. Spray or brush a coat of SLOW SET BONDING AGENT on steel to point of rejection, leaving no voids, pinholes, or uncoated areas. Coating should be approx. 20 mls. thick. Allow to cure to tacky stage and immediately pour concrete.

PACKAGING

1 gal / 3.8 L units (2/3 gal A; 1/3 gal B)
3 gal / 11.4 L units (2 gal A; 1 gal B)
15 gal / 56.8 L units (2-5 gal A; 1-5 gal B)
165 gal / 624.6 L units (2 drums A; 1 drum B)

COVERAGE

1 gal / 3.8 L of mixed epoxy covers approx. 80 sq ft (7.4 sq m)

COMPLIANCES

ASTM-C-881: Types I, II, & V
Grade 2
Classes B & C

LIMITATIONS

- Minimum substrate temperature is 50° F (10° C)
- Do no thin. Solvents will prevent proper cure.
- SLOW SET BONDING AGENT is a vapor barrier when cured.
- Minimum age of hardened concrete for bonding should be 5-7 days

CAUTION

- Component A – Irritant
- Component B – Corrosive
- Product is a strong sensitizer. Use of safety goggles and chemical resistant gloves are recommended.
- Use of a NIOSH/MSHA organic vapor respirator is recommended if ventilation is inadequate.
- Avoid breathing vapors.
- Avoid skin contact.

FIRST AID

EYE CONTACT: Flush immediately with water for at least 15 minutes. Contact physician immediately.

RESPIRATORY CONTACT: Remove person to fresh air.

SKIN CONTACT: Remove any contaminated clothing. Remove epoxy immediately with a dry cloth or paper towel. Solvents should not be used as they carry the irritant into the skin. Wash skin thoroughly with soap and water.

CURED EPOXY RESINS ARE INNOCUOUS.

CLEANUP

EQUIPMENT: Uncured material can be removed with Unitex CITRI-CLEAN or other approved solvent. Cured material can only be removed mechanically.

MATERIAL: Collect with absorbent material. Flush area with water. Dispose of in accordance with local, state, and federal disposal regulations.

Contact UNITEX Technical Services for further information or installation instructions.

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