



Epoxy.com Product #7SC

100% Solids Epoxy Adhesive - For Fresh Concrete

DESCRIPTION

Epoxy.com™ Product #7SC is a 100% solids high-mod epoxy adhesive used to bond fresh concrete to cured concrete, steel to fresh or hardened concrete, as a grout for anchor bolts, dowels and rebar, as a binder for epoxy concrete, and for bonding other dissimilar materials. It is similar to Epoxy.com™ Product #7 but with a slower cure to allow more time for concrete pours.

ADVANTAGES

- Moisture insensitive (cures on damp or wet surfaces)
- Sprayable
- Proven field performance
- Meets necessary certification (see specs)
- Long open time

APPLICATION PROCEDURES

Surface Preparation

Surfaces must be clean and sound. Remove all dirt, laitance, grease, curing compounds and other foreign matter by sandblasting, or mechanical abrasion. Remove water and dust from all surfaces with an oil-free air blast immediately prior to application of compound.

Mixing Instructions

Temperature of Product #7SC must be 50° F or above at time of mixing. Stir each component separately before blending. **Mix** two parts by volume of part A with one part by volume of part B for three minutes with a slow speed electric drill motor equipped with a mixing paddle.

Application

To bond fresh concrete to cured concrete apply the mixed adhesive by brush, roller or spray over the clean, prepared surface at a thickness of approximately 20 mils.

Limitations

Temperature of substrate must be above 50 F. If surface to be bonded is no longer tacky, it must be reprimed.

SAFETY PRECAUTIONS

Prolonged or repeated exposure may cause eye or skin irritation. If contact occurs, **wash immediately** and seek medical help. Use safety glasses with side shields and wear protective rubber or polyethylene gloves.

CLEANING

All tools and equipment should be cleaned before the system gels. Use methyl ethyl ketone or any lacquer solvent.

SPECIFICATIONS

Meets the requirements of ASTM C-881 Type I and II, Grade 2, Class C & F.

PHYSICAL PROPERTIES:

| | |
|--------------------------------|-------------|
| | 70°F |
| Pot Life (neat) | 60 min. |
| Tack-free Time (15 mils thick) | 8 hrs. min. |
| Final Cure | 7 days |

Physical Properties After Cure:

| | |
|---|------------|
| Bond Strength ASTM C-882 | 1,500 min. |
| (When testing for bond, mix "A" & "B"; hold 25 to 30 minutes for initial reaction to take place before applying concrete to hardened concrete.) | |
| Tensile Strength 7 days ASTM D-638 | 5,000 psi |
| Tensile Elongation ASTM D-638 | 6% |
| Compressive Strength ASTM C-109 Modified | |
| 28 days neat ASTM D-695 | 10,000 psi |
| 7 days with 3 parts aggregate | 9,000 psi |
| Compressive Strength ASTM C-109 Modified | |
| 28 days with 3.5 parts aggregate | 10,000 psi |

*#7SC, when compared to normal setting epoxy resins with 1/2 hour pot life at 70°F, should be tested at 7 days; specimens are cured at 90°F, they may be tested at 3 days.

**FOR INDUSTRIAL USE ONLY
KEEP AWAY FROM CHILDREN**

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