

The Strong Company, Inc.

Strong-Plug®

INTENT: To provide a material specifically designed to stop minor water infiltration and develop high-early strengths.

Strong-Seal® Strong-Plug® infiltration control material is a rapid setting cementitious product specifically formulated for leak control. Strong-Seal® Strong Plug® shall be used to stop minor water infiltration and shall have the following minimum requirements:

- A. Compressive strength
ASTM C109
 - > 1500 psi at 1 hr.
 - > 2500 psi at 24 hr.
- B. Freeze/Thaw
ASTM C666
100 cycles, no visible damage
- C. Sulfate Resistance
ASTM C267
no weight loss after 15 cycles at 2000 ppm
- D. Pull Out Strength
ASTM C234
14000 lbs.
- E. Set Time < 1.0 minutes

PACKAGING / YIELD

50 lb pail

Yield 0.38 ft³ per pail

The area to be repaired must be free of all debris, loose brick, mortar, or concrete. Small cracks should be enlarged by chipping with a hammer and chisel to facilitate filling the crack with Strong-Plug® slurry or dry pack.

Strong-Plug® is hand mixed in quantities such that placement can be made in less than one (1) minute. Mixing should be done near the area to be repaired. Mixing may be done either with a gloved hand, a wooden spoon, or a trowel. In those applications where a slurry is required, water is added to the dry material while stirring so as to produce a consistency fitting for the application, but not to exceed one (1) part water to three (3) parts Strong-Plug® by volume. The placement or working time is related to the amount of water used in making the mix. High water usage increases the set time, but in general, one minute can be considered maximum.

CURING

No special curing requirements are needed for Strong-Plug®.

WEATHER

No application shall be made to frozen surfaces or if freezing is expected to occur within the substrate within 24 hours after application. Precautions shall be taken to keep the mix temperature at time of application below 90 degrees F. Water temperature shall not exceed 80 degrees F. Chill with ice if necessary.

PRODUCT TESTING

Four 2 inch cubes shall be cast each day or from every pallet of product used and shall be properly packaged, labeled and returned to the manufacturer for testing in accordance with the owner's or manufacturer's directions for compression strength per ASTM C109 procedure.



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