

# POUR-STONE® ANCHORING CEMENT

- **Anchoring cement for bolts, posts and fixtures**
- **Stronger than fully-cured concrete**
- **Sets hard in 15 minutes**
- **Easy to apply**

## PRODUCT DESCRIPTION

Pour-Stone® Anchoring Cement is a pourable, quick-setting, non-shrinking, anchoring cement. Pour-Stone develops high early strength and becomes 50% stronger in one hour than fully-cured concrete.

## USES

- Pour-Stone is used for anchoring machinery, bolts, steel reinforcing rods, and fixtures into concrete and masonry walls and floors.
- It is used professionally to anchor installations of fences, railings and awning supports.

## LIMITATIONS

- Pour-Stone is not recommended for exterior applications unless coated with a protective material.
- It is not recommended for below-grade patching applications, areas exposed to water or core holes and settings of less than 2" (5 cm).

## SURFACE PREPARATION

Surface must be firm and clean. Core holes or settings less than 2" (5 cm) deep are not recommended. Remove loose particles, dust and grime. Dampen hole with water prior to application. Do not leave standing water.

The table below specifies the recommended opening to be drilled so that the strength of the setting will exceed the tensile strength of a mild steel bolt of the diameter shown. All bolts must have a washer large enough to fit the diameter of the opening with only enough tolerance to reach and rest snugly against the head of the bolt at the bottom of the opening. If the washer is slightly larger, it is better to widen the opening than to reduce the size of the washer. In the case of weaker concrete, the depth should be increased to provide greater surface and contact to the concrete slab. This will minimize the danger of failure due to fracture of the concrete in the presence of extreme strains.

DIAMETER OF BOLT TO BE FASTENED	DIAMETER OF OPENING	MINIMUM DEPTH OF OPENING*
1/4" (6 mm)	3/4" (19 mm)	2" (5.1 cm)
3/8" (10 mm)	1 1/4" (32 mm)	3" (7.6 mm)
1/2" (12 mm)	1 3/4" (44 mm)	4" (10.2 cm)
5/8" (16 mm)	2" (51 mm)	5" (12.7 cm)
3/4" (19 mm)	2 1/2" (63 mm)	6" (15.2 cm)
1" (25 mm)	3 1/2" (89 mm)	8" (20.3 cm)
1 1/4" (32 mm)	4 1/4" (108 mm)	12" (30.5 cm)

\*The minimum depths shown are based on openings drilled in sound concrete of at least 3,000 psi (210.9 kg/cm<sup>2</sup>) compressive strength.

## METHODS FOR SETTING

Drill holes wide enough for anchoring rods, bolts, washers, etc. to provide easy flowing of Pour-Stone. Remove loose particles, dirt and dust from holes.

## MIXING

Combine desired volume of Pour-Stone with cool, clean water in a clean container. Floor applications require a pourable consistency. A mixture of 5 oz. (148 ml) water to 1 lb. (.45 kg) Pour-Stone is recommended. Do not overthin. Wall applications require a putty consistency. A mixture of 4 oz. (118 ml) water to 1 lb. (.45 kg) Pour-Stone is recommended.

## APPLICATION

Pour small amount of Pour-Stone in hole and work in item being installed to eliminate air pockets. Pour remainder of Pour-Stone in an even flow to avoid entrapping air. Wall applications require packing pressure to surround object with Pour-Stone and eliminate air pockets. Although Pour-Stone will become hard within 20 minutes, do not allow heavy stress or vibration of fixture to occur until one hour after Pour-Stone hardens. Avoid using Pour-Stone in areas which are continuously exposed to water. NOTE: Pour-Stone is not recommended for exterior surface applications unless it is coated with a protective material.

## COVERAGE

1 lb. (.45 kg) of dry compound and 5 oz. (148 ml) water will fill 19 cubic inches 311 cubic centimeters (a 2" [5 cm] diameter hole 5" to 6" [13 cm - 15 cm] deep).

## DRYING TIME

20 minutes at 73° F (28° C).

## CURING

60 minutes.



## CLEAN-UP

Clean tools with water before Pour-Stone hardens.

## STORAGE

Close container after each use. Store in a cool, dry area.

## CAUTION

Wear rubber gloves and eye protection. Avoid eye contact. Avoid prolonged contact with skin. In large masses, material will develop sufficient heat to cause burns. Keep out of reach of children. Do not take internally.

Warning: This product contains one or more chemicals known to the State of California to cause cancer.

## ORDERING INFORMATION

ITEM CODE	SIZE	COLOR	PACKAGE
PST5	5 lb. (2.27 kg)	Gray	Box
PST25	25 lb. (11.34 kg)	Gray	Bag

## TECHNICAL DATA

### Compressive Strength

AGE	COMPRESSIVE STRENGTH (ASTM C109) PSI	MPA	VOLUME CHANGE (ASTM C157)
1 hour	4300	29.6	+0.069
1 day	5100	53.1	+0.038
7 days	8400	57.9	+0.031

### Shear Tests on Anchor Bolts in Concrete

DIAMETER OF BOLT	CONCRETE STRENGTH	DIAMETER OF HOLE	DEPTH OF HOLE	BONDED LENGTH	MAX. TENSION	MAX. SHEAR
3/8"	3800 psi	3/4"	4"	3 1/2"	4,250 lbs.	4,600 lbs.
5/8"	3900 psi	2 1/2"	5"	4 1/2"	16,500 lbs.	15,200 lbs.
1"	4000 psi	3 1/2"	8"	7 1/2"	32,800 lbs.	25,300 lbs.
3/8"	26.2 MPa	3/4"	102mm	89mm	18.9 kN	20.5 kN
5/8"	26.9 MPa	2 1/2"	127mm	114mm	73.4 kN	67.6 kN
1"	27.6 MPa	3 1/2"	203mm	191mm	145.9 kN	112.5 kN



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BUILDING PRODUCTS