



flow-stone®

DESCRIPTION

King flow-stone is a pourable, fast setting, high strength, expansive anchoring cement.

USES

Controlled expansion assures a tight grip on both the fixture and the surrounding concrete. King flow-stone is ideal for setting anchor bolts, screws, posts, railings, reinforcing rods and other fixtures in existing concrete. Can be used as a base plate grout to level industrial machinery or to level concrete floors under carpet or soft tile.

PREPARATION

For anchoring bolts, rods, railings, etc. drill a hole that will allow a minimum of ½” of King flow-stone to surround the fixture being anchored. Holes should be at least 2” deep. For leveling concrete floors, thoroughly clean and roughen the surface. In all applications the existing concrete must be sound and clean. Soak the area with clean water and remove any standing water.

MIXING

Use clean containers and clean water. Add product slowly while mixing. Avoid a “soupy” mix. For anchoring fixtures in concrete floors, best results are obtained with a batter like consistency — about 260 mL (9 oz) of water to 1 kg of product. For anchoring fixtures in concrete or masonry walls, a putty like consistency is required — about 228 mL (8 oz) of water to 1 kg of product.

Strength, hardness and fluidity are directly dependent on the water to compound ratio. Mix thoroughly. Add any extra water sparingly.

APPLICATION

For anchoring bolts, rods, railing, etc. in concrete floors, place the fixture into the prepared hole and pour the mix around it. Tap the fixture to help settle the mix in the hole. Pour a slight excess of flow-stone around the fixture to achieve a dome shape taper about 1 cm ($\frac{1}{3}$ ”) higher than the surrounding concrete. This will prevent water from accumulating around the base.

For leveling concrete floors, trowel or pour King flow-stone onto the prepared surface. When mixed to a flowable consistency, our product is self-leveling. Do not use for applications of less than ½” thickness. Do not feather edge.

For anchoring fixtures in concrete or masonry walls, tamp the putty-like mixture into the prepared hole. Tap the fixture into the material. If the material sags, wait a few minutes until the hardening process starts and then position the fixture.

CURING

No special curing is required.

COVERAGE

1 kg (2.2 lb) yields approximately 460 cubic cm (28 cubic inches).

LIMITATIONS

Do not add any cement or aggregates to this product. Do not use where product will be continually exposed to water. Do not use at temperatures below 0°C (32°F).

FLOW-STONE

TECHNICAL DATA

Compressive Strength

| | |
|---------|-----------|
| 1 hour | 3,600 PSI |
| 1 day | 4,000 PSI |
| 7 days | 4,700 PSI |
| 28 days | 6,000 PSI |

Set time — 20-25 minutes.

CLEAN UP

Clean all tools and equipment with water immediately after use.

IMPORTANT

Store in a dry place.

CAUTION

Avoid contact with eyes. Avoid ingestion or inhalation. Contains cement which when mixed with water, forms a calcium hydroxide solution. Avoid contact with skin, including contact with saturated clothing.

FIRST AID TREATMENT: If splashed in eyes or on skin, flush thoroughly with water.

CONTAINERS

SHIPPING WEIGHTS

| | |
|--------------------|--------|
| 2.5 kg plastic tub | 5 lbs |
| 4.5 kg plastic tub | 10 lbs |
| 15 kg plastic pail | 33 lbs |