



HOW-TO GUIDE

SikaGrout® High Performance Cementitious Grout

ALL-PURPOSE • EASY TO USE • FLOWABLE & HIGH-STRENGTH • NON-SHRINK

MATERIALS:

- Safety glasses & gloves
- Dust mask
- 5-gallon mixing pail
- Forms (application dependent)
- Trowel (application dependent)
- Grout pump (application dependent)
- Water pump sprayer
- Measuring bucket
- 50 lb. bag SikaGrout®
- Low speed drill (<500 rpm) & die-cast mixing paddle
- 6 pints water (plastic consistency) / 6.5 pints (flowable consistency) / 8.5 pints (fluid consistency)

SITE PREP & PROCEDURE

1. Remove all dirt, oil, grease, and other bond-inhibiting materials by mechanical means. Anchor bolts to be grouted must be de-greased with suitable solvent. Concrete must be sound and roughened to a CSP 4 or higher to promote mechanical adhesion. Prior to pouring, surface should be brought to a saturated surface-dry condition. Steel should be cleaned and prepared thoroughly by blast cleaning to a white metal finish. Follow standard industry and Sika guidelines for use as an anchoring epoxy.
2. Forming: For pourable grout, construct forms to retain grout without leakage. Forms should be lined or coated with bond-breaker for easy removal. Forms should be sufficiently high to accommodate head of grout. Where grout-tight form is difficult to achieve, use SikaGrout® in dry pack consistency.
3. Mixing: Mixing can be done manually or mechanically. Add the appropriate amount of clean water for desired flow to a suitable mixing container. While mixing slowly, add the powder to the water. If mixing mechanically, mix thoroughly for 3 minutes with a low-speed (< 500 rpm) hand drill mixer to avoid entraining too much air. Mix to a uniform consistency for 3 minutes. Make sure all forming, mixing, placing, and clean-up materials are on hand. Ambient and material temperature should be as close as possible to 70°F (21°C). If higher, use cold water; if colder, use warm water.
4. Extension With Aggregates: For deeper applications, (plastic and flowable consistencies only) 25 lbs. (11.3 L) of 3/8 in. (9.5 mm) pea gravel can be added to the mix of water and SikaGrout®. The aggregate must be nonreactive (reference ASTM C1260, C-227, and C-289), clean, well graded, saturated surface dry, have low absorption and high density, and comply with ASTM C-33 size number 8 per Table 2. Add the pea gravel after adding SikaGrout® to the water.

5. Within 15 minutes after mixing, place grout into forms in normal manner to avoid air entrapment. Vibrate, pump, or ram grout as necessary to achieve flow or compaction. SikaGrout® must be confined in either the horizontal or vertical direction leaving minimum exposed surface. SikaGrout® is an excellent grout for pumping, even at high flow. After grout has achieved final set, remove forms, trim or shape exposed grout shoulders to designed profile.
6. Wet cure for a minimum of 3 days or apply a curing compound which complies with ASTM C-309 on exposed surfaces.
7. Clean all tools and application equipment with water immediately after use.

