

TECHNICAL DATA SHEET

FOR PROFESSIONAL CONTRACTOR USE ONLY

DESCRIPTION

CCS™ Grout S is a unique, two-component, urea-silicate, injection-resin system for the consolidation and stabilization of soft ground, sands, and generally unstable ground and rock formations. Due to the unique chemistry, it is also suitable for waterproofing and structural reinforcement for underwater applications.

FEATURES

- Does not absorb water
- Fast-reacting and high compressive strength
- High adhesion to joint/crack/void faces, even on wet surfaces
- No foaming or increase in volume in contact with water
- Penetrates cracks greater than 0.15mm
- Suitable for underwater application
- Very low viscosity

MIXING

The volume mixing ratio is 1 Part-A to 1 Part-B.

Before application, pre-mix Part-A and Part-B. All equipment used to mix the material must be dry to prevent the CCS™ Grout S from reacting.

Plural component equipment is highly recommended with a static mixing tube for optimal results.

INSTALLING

For filling control joints, wire slots, and saw cuts, transfer mixed material to a pour can with a spout sized for the joint to be filled. Fill the joint in a single direction. For a filled surface flush with the surrounding substrate, overfill slightly the joint until a crown of material is formed.

For narrow or deep joints, filling in two steps with the bulk of the material placed in the first step allows trapped air and settlement to occur for a more uniform installation. Following the initial cure, excess material (high spots) may be removed by warming with a hot air stream (heat gun) and cutting with a sharp blade.

Remixing of components may be required upon long-term storage.

CLEAN UP

Excess mixed product is best removed from the work area and tools before it hardens. The use of rags and solvents such as acetone or heavy-duty detergents facilitates cleaning. Cured product may be removed from tools by soaking in an epoxy stripper.

TECHNICAL DATA

PHYSICAL PROPERTIES	TEST METHOD	VALUE
Color		Part-A: Brown Part B: Opaque
Density @77°F (25°C)	ASTM D1638	Part-A: 10.1 lb/gal Part B: 12.43 lb/gal
Viscosity @77°F (25°C)	ASTM D1638	Part-A: 170-250 cps Part B: 300-500 cps
Flash Point	ASTM D93	<200°F (93°C)
Application Temperature	ASTM D101	From 40°F to +104°F (4°C to +40°C)

PACKAGING & COLORS

- Standard package sizes :10 gallon kit: One 5 gallon pail of PC Grout S Part-A and One 5 gallon pail of PC Grout S Part-B and 110 gallon kit: One 55 gallon drum of PC Grout S Part-A and One 55 gallon drum of PC Grout S Part-B
- Standard color is tan.

SHELF LIFE

One year minimum in unopened, original containers when stored between 60 and 95°F (15-35°C) in a dry place away from sunlight.



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