



SHEP 1107 PREMIUM GROUT

NON-SHRINK, NON-STAIN, NON-METALLIC GROUT

Revised: 10/09

DESCRIPTION

Shep 1107 Premium Grout is designed for critical use where high strength, non-staining characteristics and positive expansion are required. It contains only natural aggregate and an expansive cementitious binder. It is extremely flow able, and when cured, appears similar in appearance to concrete.

PRIMARY APPLICATIONS

- Pumps and fans
- Compressors & motors
- Generators
- Machine bases of all types
- Anchor bolts
- Column baseplates

FEATURES & BENEFITS

- Non-staining natural aggregate for better appearance
- Excellent bearing
- Flowable and self-leveling
- Compatible with Galvanic Anodes (Fluid)
- High strength
- Appearance of plain concrete
- Does not contain any added chloride ions
- Can contribute to LEED points.

DIRECTIONS FOR USE

Mixing Consistency Estimated Water Content*

Fluid 1.1 to 1.2 gal/50 lb bag (4.2 to 4.5 L/22.7 kg)

Flowable 1.0 gal/50 lb bag (3.8 L/22.7 kg)

Plastic..... 0.9 gal/50 lb bag (3.4 L/22.7 kg)

* Do not add water in an amount that will cause bleed-ing or segregation. More or less water may be required to achieve a 25 second flow or the desired placing consistency, depending on temperature and other variables. Do not add sand or cement to the grout since this action will change its precision grouting characteristics.

Where Shep 1107 Premium Grout will be placed at a thick-ness over 2" (50 mm), up to 25 lb (11.3 kg) of pea gravel must be added to each bag of grout.

Note that the water demand to achieve a certain flow level of the grout will change.

Placing: Shep 1107 Premium Grout sets more rapidly than plain mortars; therefore, place quickly and continuously. If placing this product in hot weather, use of cold water will increase the working time.

Curing and Sealing: Proper curing procedures are important to ensure the durability and quality of the grout. Wet cure the grout until the forms are stripped. Then, cure the grout with a high solids curing compound.

Clean-Up: Clean tools and equipment with water before the material hardens.

COMPLIANCES

- Fully complies with CRD C 621, Corps of Engineers Specification for Non-Shrink Grout.
- Fully complies with ASTM C 1107-05, "Standard Specifica-tion for Packaged Dry, Hydraulic-Cement Grout (non-shrink).

TECHNICAL DATA

Typical Engineering Data: The following results were devel-oped under laboratory conditions.

PROPERTY	FLOWABLE CONSISTENCY 1.0 GAL/50 LB (3.8 L/22.7 KG)	FLUID CONSISTENCY 1.2 GAL/50 LB (4.5 L/22.7 KG)
Flow Rate (ASTM C939/ CRD C621)	120% (Flow Table)	20 to 30 seconds (Flow Cone)
Compressive Strength (ASTM C109 Modified*) 2 in (50 mm) Cubes	3 days 4500 psi (31 MPa) 7 days 6000 psi (41 MPa) 28 days 8500 psi (59 MPa)	3 days 3500 psi (24 MPa) 7 days 5000 psi (34 MPa) 28 days 6800 psi (47 MPa)
Expansion (CRD C621)	3 days 0.01% 7 days 0.03% 14 days 0.05% 28 days 0.05%	3 days 0.01% 7 days 0.03% 14 days 0.05% 28 days 0.05%
Freeze-Thaw Resistance (ASTM C666 Procedure A)	300 cycles: 97%	NA
Setting Time	Initial Set 3 hrs 5 min Final Set 4 hrs 47 min	

Continued on reverse side

SHEP 1107 PREMIUM GROUT

PRODUCT INFORMATION ■ TECHNICAL DATA SHEET

Appearance: Shep 1107 Premium Grout is a free flowing powder designed to be mixed with water. After mixing and placing, the color may initially appear much darker than the surrounding concrete. While this color will lighten up substantially as the concrete cures and dries out, the grout may always appear somewhat darker than the surrounding concrete.

PACKAGING

Shep 1107 Premium Grout is packaged in 50 lb (22.7 kg) bags and pails. 50 lbs yields 0.45 ft³ (0.013 m³) of fluid grout when mixed with 1.2 gal (4.5 L) of water. 50 lb (22.7 kg) with 25 lbs (11.3 kg) of 3/8" (9.5 mm) pea gravel will yield approximately 0.60 ft³ (0.017 m³) of flowable consistency grout. Use pea gravel for deep fills over 2 in (50 mm) deep only.

SHELF LIFE

Two years in original, unopened package.

PRECAUTIONS

- Do not add sufficient water to promote bleeding of the grout.
- Do not use this product at a flow cone rate of less than 20 seconds if checking flow rates on the job site (see CRD C-611 or ASTM C 939 for flow cone method).
- Do not add any admixture or fluidifiers.
- Proper curing is required.
- Do not use material at temperatures that may cause premature freezing.
- Rate of strength gain is significantly affected at temperature extremes.
- Do not allow to freeze until 4000 psi (27.6 MPa) is attained.
- Employ cold weather or hot weather grouting practices as the temperatures dictate.
- Store materials in a dry place.
- Do not use as a topping.
- Add pea gravel when placing at a thickness over 2" (50 mm).
- In all cases, consult the Material Safety Data Sheet before

USE.

WARRANTY: Manufacturer solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Shepler's, no other representations or statements made by Shepler's or its representatives, in writing or orally, shall alter this warranty. SHEPLER'S MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Sheplers' product fails to conform with this warranty, Shepler's will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Shepler's does not authorize anyone on its behalf to make any written or oral statements which in any way alter Shepler's installation information or instructions in its product literature or on its packaging labels. Any installation of Shepler's products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Shepler's products for the Buyer's intended purposes.