



SHEP 1107 PREMIUM GROUT

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

Revised:01/19

DESCRIPTION

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

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
- Compatible with Galvanic Anodes (Fluid consistency)
- Appearance of plain concrete
- Does not contain any added chloride ions
- Outstanding strength

DIRECTIONS FOR USE

Note: The contractor and engineer are encouraged to consult and review the Euclid Chemical bulletin: "Cementitious Grout Application Guide". The document offers instructions detailing the general installation of Euclid Chemical manufactured cement-based grout products. **Important:** If the contractor is not familiar with standard grout placement techniques, a pre-job meeting is suggested to review the project details unique to the particular job. Contact your local Euclid Chemical representative for additional information.

Mixing Consistency

Estimated Water Content*

Fluid 1.1 to 1.2 gal/50 lb bag (4.2 to 4.6L)
 Flowable 0.9 to 1.0 gal/50 lb bag (3.4 to 3.8 L)
 Plastic 0.8 to 0.9 gal/50 lb bag (3.0 to 3.4 L)
 Fluid 1.2 to 1.3 gal/55 lb bag (4.6 to 4.9L)

Flowable 1.0 to 1.1 gal/55 lb bag (3.8 to 4.2 L)
 Plastic 0.88 to 1.0 gal/55 lb bag (3.3 to 3.7 L)

* Do not add water in an amount that will cause bleeding 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.

When Shep 1107 Premium Grout will be placed at a depth over 5" (12.7 cm), up to 25 lb (11.3 kg) of pea gravel per 50 lb (22.7 kg) bag [27.5 lb (12.5 kg) of pea gravel per 55 lb (25 kg) bag] must be added to each bag of grout. Note that the water demand to achieve a certain flow level of the grout will change. Once the correct amount of water has been added to a clean mixing pail, mix the grout with a high speed drill and mixing paddle for three (3) minutes. Quickly transport the grout to the placement area.

Application: See the "Cementitious Grout Application Guide" for installation means and methods.

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

PROPERTY	FLOWABLE CONSISTENCY	FLUID CONSISTENCY
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 0.02% 7 days 0.02% 14 days 0.03% 28 days 0.03%	3 days 0.01% 7 days 0.03% 14 days 0.05% 28 days 0.05%
Setting Time	Initial Set 3 to 5 hours Final Set 4 to 6 hours	

SHEP NS GROUT

PRODUCT INFORMATION ■ TECHNICAL DATA SHEET

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COMPLIANCES

- Fully complies with CRD C 621, Corps of Engineers Specification for Non-Shrink Grout.
- Fully complies with ASTM C 1107-05, “Standard Specification for Packaged Dry, Hydraulic-Cement Grout.
- Canadian MTQ.

TECHNICAL DATA

Typical Engineering Data: The following results were developed under laboratory conditions.

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 it 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, 55 lb (25 kg) bags, and 50 lb (22.7 kg) pails.

50 lb (22.7 kg) yields 0.45 ft³ (0.013 m³) of fluid grout when mixed with 1.2 gal (4.6 L) of water.

55 lb (25 kg) yields 0.50 ft³ (0.014 m³) of fluid grout when mixed with 1.3 gal (4.9 L) of water.

50 lb (22.7 kg) of Shep 1107 Premium Grout extended 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. 55 lb (25 kg) of Shep 1107 Premium Grout extended with 27.5 lbs (12.5 kg) of 3/8” (9.5 mm) pea gravel will yield approximately 0.66 ft³ (0.019 m³) of flowable consistency grout.

Extend with pea gravel only for deep placements over 5” (12.7 cm).

SHELF LIFE

Two (2) 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-C611

or ASTM C 939 for flow cone method).

- Do not add admixtures 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 grout to freeze until 4000 psi (27.6 MPa) is attained.
- Employ cold or hot weather grouting practices per ACI guidelines as the temperature dictates.
- Store materials in a dry place.
- For dry pack applications, mechanically mix Shep 1107 Premium Grout at a minimum water content of 0.5 gal per 50 lb bag (1.9L/22.7 kg) or 0.55 gal per 55 lb bag (2.1 L/25 kg).
- Add pea gravel when placing Shep 1107 Premium Grout at a depth greater than 5” (12.7 cm).
- In all cases, consult the 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.