

JS 1107 Precision Grout

Precision, Non-Metallic, Non-Shrink Grout

LOT#

PRODUCT DESCRIPTION

JS 1107 Precision Grout specially formulated for precision non-shrink industrial applications. This non-shrink, non-metallic grout does not contain chloride and can be used in a range of consistencies from drypack to fluid.

GENERAL USES

JS 1107 Precision Grout is ideally suited for a wide range of applications requiring strength and durability including: heavy equipment and machinery bases, structural columns, pump and equipment bases, precast tee joints, repointing mortar joints structural cracks, bearing plates, rail posts and seating bolts, post tensioned cables.

JS 1107 Precision Grout contains specially-graded, fine and select silica aggregates, cement, shrinkage compensating ingredients, and plasticizing and water-reducing agents. Strength, dimensional stability, flowability, workability and setting characteristics are assured by careful blending in plants under rigid quality control standards.

STANDARDS

JS 1107 Precision Grout conforms to requirements of Corps of Engineers CRD C621 and ASTM C1107

INSTRUCTIONS FOR USE

Surface Preparation

Surfaces must be free from form oil, grease, or any loose materials. If the concrete surface is defective or has laitance, it must be cut back to a sound base.

Base Plate Preparation

It is essential that area is clean and free from oil, grease and scale. Air pressure relief hole should be provided to allow venting of any isolated high spots.

Leveling Shims

If these are to be removed after the grout has hardened, they should be treated with a thin layer of grease.

Pre-soaking: Several hours prior to grouting, the clean area should be flooded with fresh water. Immediately prior to grouting, any free-standing water should be removed with car to blow out boltholes and pockets.

Approximate Yield: .43 cu ft. per 50 lb bag

Mixing

The amount of water added to obtain the desirable consistency must be precise, and an accurate measuring method must be employed. Consistencies described conform to ASTM C1107. According to the desired grout consistency, the amount of water required for each 50 lb bag of JS 1107 Precision Grout is:

- Plastic: 50 lb grout - 5.00 - 7.00 pints water
- Flowable: 50 lb grout - 7.00 - 8.00 pints water
- Fluid: 50 lb grout - 8.00 - 9.00 pints water

In cold conditions, warm water (95°F-110°F) may be used to accelerate the strength development.

Application

For best results, a mechanically powered grout mixer should be used. For small quantities of 1-2 bags, a slow speed electric drill with a suitable paddle is recommended. The selected water content should first be accurately measured into the mixer. Slowly add the total contents of JS 1107 Precision Grout bag. Mix continuously for 5 minutes, making sure that a smooth, even consistency is obtained. Place the grout within 5 minutes of mixing to gain the full benefit of the expansion process. Where large volumes have to be placed JS 1107 Precision Grout may be pumped. A heavy-duty diaphragm pump is recommended for this purpose.

For deep applications (over 2"), a clean 3/8" (1cm) pea gravel should be added to the grout:

- 2" - 5" application 25% by weight
- Over 5" application 50% by weight

Curing

Upon completion of the grouting operation, exposed areas, which are not to be cut back, should be thoroughly cured using normal concrete curing methods and practice. Jobsite Supply has a variety of chemical curing compounds, which may be used with JS 1107 Precision Grout. Please contact your Jobsite Supply representative for additional information.

Shelf Life: One year. Store in a cool, dry location.

LIMITATIONS/WARNING

Refer to Material Safety Data Sheet prior to use.

Do not re-temper. Do not vibrate. Do not use any additives including accelerators, water reducers or air entraining agents. Avoid direct contact with skin and eyes. Product contains Portland Cement. May cause irritation and possibly cement burns. Wash exposed skin area promptly with water. In case of eye contact, flood eyes repeatedly with water and call physician. Do not take internally. Harmful if ingested.

KEEP PRODUCT OUT OF REACH OF CHILDREN

TECHNICAL SERVICES

Jobsite Supply Technical Service Department provides complete product and technical support.

PACKAGING: 50 lb bags



HIMS
Hazard Ratings
0 - Least
1 - Slight
2 - Moderate
3 - High
4 - Extreme