

CPD® NON-SHRINK GROUT (PRE-MIX) DRY PACK

DESCRIPTION

CPD® Non-Shrink Grout Dry Pack is a pre-blended, ready to use cement based grout containing anti-shrinkage compounds accurately blended with graded siliceous aggregate, polyester fibers and Portland cement. It is pre-blended and requires only the addition of water at the job-site to yield a quality dry pack grout.

WHERE TO USE

This product is used for grouting small base plates where multiple forms are costly and time consuming to install, sloped and horizontal anchor bolt holes with sufficient clearance for dry pack applications, pockets in foundations for I-beams and concrete pipes and sleeves.

BENEFITS

- high strength with good, no slump work ability
- easy to use and economical - just add water
- contains no chlorides or any other additives to attack and corrode steel reinforcement
- can be extended 50% by weight with good quality washed, 10mm (d'') pea gravel with no loss in strength

PROPERTIES

Compressive Strength (ASTM C942 according to ASTM C1107 of ASTM C109, 50mm/2" cubes confined) @ 21° C (69.8°F)

23°C (73°F)

MPa (psi)

1 day.....30 (4,350)

3 days.....52 (7,540)

7 days.....61 (8,845)

28 days.....68 (9,860)

Set Time: 3.8L/25kg.....4 hours @ 23°C (73°F)
(1 U.S. gal/55lb)

The above information is representative of typical values obtained under laboratory conditions. Variations can be expected due to on site conditions and/or other testing methods.

Rev. 10.24

APPLICATION

Surface Preparation:

All surfaces that will be in contact with the grout must be clean and free of grease, oil, standing water, laitance, loose material or any other contaminant that could impair substrate bond. Prior to grouting, foundation concrete should be roughened, cleaned, and thoroughly wetted down for 12 hours. Free surface water should be blown away with oil free compressed air just prior to grouting. A thoroughly saturated surface dry concrete substrate is extremely important for dry pack grouting.

Mixing and Placing:

This grout is designed to be used only as a dry pack grout. Mix ratios will vary from approximately 3.6-3.7L (.95-.98 U.S. gal) of water per 25 kg. bag of grout (1-1.06 U.S. gal per 55 lb). DO NOT add cement, mortar sand or concrete sand to extend the grout. The grout may be extended with up to 50% by weight, washed, 10mm (d'') quality pea gravel for large placements. DO NOT re-temper the grout by adding more water. For best results and work ability place the mixed grout within ½ hour. Small batches can be best mixed by hand with a spade. Use a mortar pan or wheelbarrow for hand mixing. Add all water then add the grout while mixing. Thoroughly mix until no dry pockets of grout remain. Larger batches, generally 3-4 bags, will require the use of a quality mortar mixer. Add all water first then gradually add grout. Mix until totally uniform. Any pea gravel additions should only be made after the grout is mixed. As soon as the grout sets, apply either CIPADECK® Cure and Seal (WB) or wet burlap. Damp cure if burlap is used for a minimum of 3 days. Curing is very important for dry pack grout because of the lower water levels used.

LIMITATIONS

This product should not be used where:

- exposure to acids or strong alkalis is possible
- service temperatures exceed 160°C (320°F)
- Substrates in contact with the grout are below 4.5°C (40°F).
- DO NOT EXTEND WITH CONCRETE OR MORTAR SAND.

Contact a CPD® Technical Representative when temperatures are below 4.5°C (40°F) or above 32°C (90°F).

YIELD

0.014m³ (0.45 ft³) per 25 kg (55 lb) bag.

STANDARDS

CPD® Non-Shrink (Pre-Mix) Grout Dry Pack is formulated to comply with U.S. Corps of Engineers CRD C621-92 and ASTM C1107-91.

PACKAGING

25 kg. (55 lbs.) multi-wall bag.

STORAGE

May be stored short term anywhere under a tarp on pallets as long as the product is kept dry. Dry, heated warehouse storage is recommended for extended storage.

SHELF LIFE

One year from the date of manufacture when stored in original, unopened package and under normal warehouse conditions.

SAFETY PRECAUTIONS

Consult Safety Data Sheet for specific instructions. SDS #17.

WARRANTY

The recommendations made and the information given herein is based on our own and independent laboratory experience, and is believed to be accurate under controlled conditions. However, no warranty or guarantee of accuracy is made because we cannot cover every possible application of product nor anticipate every variation encountered in weather conditions, job-conditions, methods used and types of surfaces on which the product is applied. The users shall make their own tests to determine the suitability of such products for any particular purpose.

CPD® makes no warranties with respect to this product, expressed or implied, without limitation, the implied warranties of merchantability or fitness for a particular purpose.

CPD®'s liability shall be limited in all events to supplying sufficient product to re-treat and/or repair the specific area to which CPD® product has been applied. CPD® reserves the right to have the true cause of any difficulty determined by accepted test methods.

CPD® shall have no other liability, including liability for incidental, consequential or resultant damages, however caused, whether due to breach of warranty, negligence, or strict liability

THIS WARRANTY MAY NOT BE MODIFIED OR EXTENDED BY REPRESENTATIVES OF CPD®, ITS DISTRIBUTORS OR DEALERS.