

# DA 'CRETE™ 'PG Mix' 100

## Plasticized expanding grout Powder.

### ABOUT

PG Mix 100 is a powder admixture for cementitious grouts to offer a reduced water cement ratio along with positive expansion.

### APPLICATIONS

Bed grouting, duct grouting, non-shrink infilling and jointing

- Heavy machinery and equipment foundations.
- Bridge bearing pad and structural columns in precast crane rail construction grouting.
- Boiler / Turbine foundations
- Cavities, gaps, recesses and anchorages.

Complying to BS 8110 Part 1-1985 Section 8.9.4.6, PG Mix 100 is a combination of plasticizing agent and a gas producing expansion medium. Shrinkage is controlled by the expansion medium while increased strengths are obtained due to plasticization.

Use mechanically powered grout mixers / slow speed drill fitted with a high shear paddle for mixing. Alternately, drum mixer may be used for higher quantities. Care shall be taken to ensure exact quantities are dispensed into the mix, without affecting the proportions for best results.

### BENEFITS



#### Free Flowing & Expansive

Ensures the mix flows freely into cavities. Also gaseous expansion controls shrinkage.



#### Low Permeability & High Durability

Records low permeability in comparison to conventional mixes. Also improves durability.



#### Chloride Free & Excellent Bonding

Does not have chloride and provides excellent bond with adjoining surfaces. No metallic content to corrode to cause staining. Excellent early strength development is ensured.

### DOSAGE

OPC Kg	Sand Kg	Water Kg	PG Mix 100	Approx Yield
50	-	20-22	225 gm	36 litre
50	50	22-24	225 gm	57 litre

Prewetting shall be carried out and the area shall be clean to receive grout. Grout shall be pumped within 20 minutes of mixing to make use of full expansion.

Chloride content is nil as per BS 5075 and unrestrained expansion up to 4% is typical. It takes about 20 minutes – 2 hrs for it to expand depending on ambient temperature.

Curing shall be thoroughly done by means of applying water.

## **SAFETY**

Poses low health hazards. Avoid contact with eyes, mouth etc. Wash with plenty of water on contact. If accidentally ingested, seek immediate medical attention. Use of protective gloves is recommended.

## **CLEANING**

PG Mix 100 shall be removed from tools, equipment and mixers immediately after use. Hardened material can only be removed mechanically.

## **OVERDOSE EFFECTS**

Causes excessive expansion and froth due to the same.

## **SPECIFICATION CLAUSE**

All grouting shall be carried out using PG Mix 100 from Da 'Crete Chem Pvt. Ltd. Care shall be taken to ensure the methodology is followed as per the instructions mentioned in the Technical DataSheet.

## **PACKAGING**

Bond EP is supplied in 225 gms pouches.

## **SHELF LIFE & STORAGE**

Shelf life of PG Mix 100 is 6 months from the date of manufacture, when proper storage conditions are practiced.

PG Mix 100 shall be stored away from extreme temperatures under shade.

The information given is based on data and knowledge considered to be true and accurate and is offered for the user's consideration, investigation and verification. Since the conditions of use are beyond our control, we do not warrant the results to be obtained.

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