

X-Tite Grout Expansion Agent

Shrinkage compensating plasticising additive for cementitious grout

Product Description

X-Tite Grout Expansion Agent is a powder additive which incorporates powerful plasticisers and an expansion system. The plasticisers permit the use of lower water/cement ratios and consequently result in higher compressive strengths and improved durability.

Advantages

- Positive expansion
- High early strength
- Reduced bleed and segregation
- Produces high fluidity at low water/cement ratios
- Chloride free

Uses

- Stanchion grouting
- Pre-stressed cable duct grouting
- Ground anchor grouting
- Tie hole filling
- Piling concrete

Specification Compliance

Complies with the requirements of BS 8110.

Expansion Characteristics

Typically 1 to 4% measured in accordance with ASTM C827-95a.

Expansion occurs within 15 to 120 minutes.

Dosage

Between 0.4% and 2% by weight of cement. Actual dosage will depend on the proportion of cement in the mix and the amount of expansion required.

Packaging

0.25Kg, 0.5Kg, 1Kg and 15kg bags, other pack sizes by request.

Shelf Life

12 months when stored between 5 and 30°C under shade in a dry environment.

Mixing

Mixing method, times and water content vary depending on application. In general, forced action mixers should be used although small mixes can be mixed using a drill and paddle. Mix time should be 3 to 5 minutes. Add materials in the following sequence:

- Water
- Sand and aggregate (if used)
- Cement
- X-Tite Grout Expansion Agent

Curing

Once grouting has been completed, all exposed areas of grout should be cured immediately.

Limitations

Do not use with mixes containing high alumina cement. Avoid skin contact.

Do not discard into the water system.

Health and Safety

This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product. The MSDS can be obtained via our website www.ncc.com.eg

Authorized Technical Specialist

Please note that only NCC X-Calibur Authorized Technical Specialists ('ATs') are permitted to change any of the information in this data sheet or to provide written recommendations concerning the use of this product. Please visit www.ncc.com.eg for a full list of NCC X-Calibur ATs.

Datasheet Validity

NCC X-Calibur makes modifications to its product datasheets on a continuous basis. Please check the datasheet update section on www.ncc.com.eg to ensure you have the latest version.

Warranties

NCC X-Calibur supplies products that comply with the properties shown on the current datasheets. In the unlikely event that products supplied are proved not to comply with these properties, then we will replace the non-compliant product or refund the purchase price.

NCC X-Calibur does not warrant or guarantee the installation of the products as it does not have control over the installation or end use of the products. Any suspected defects must be reported to NCC X-Calibur in writing within five working days of being detected. NCC X-Calibur

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