

CICO NSPGC

NON-SHRINK POLYMERIC WATERPROOF GROUTING COMPOUND

CICO NSPGC is specially formulated non-shrink polymeric compound for injection cement grouting. It is a free flowing powder for addition to neat cement-water milk. It strong plasticizing properties allowing the mix for substantial reduction in water content without affecting the fluidity, thus improving the strength and impermeability of the grout. During the setting period of the grout it produces controlled expansion to compensate the normal plastic shrinkage of cement. This ensures complete filling of voids and prevent formation of porous sections. Due to its surface active property and volume increase during reaction, even the smallest cracks and pores can be impregnated.

USES

CICO NSPGC is used as an admixture for cement injection grouting to effectively waterproof and stop leaks in underground structures, basements, tunnels, lift-wells, retaining walls, dams, water reservoirs, pressure ducts and other water retaining structures.

It is also recommended for grouting of pre-stressed members and wherever a non-settling, non-bleeding, expanding grout is required.

TECHNICAL DATA

Colour	Tan Brown
Bulk Density, kg/m³	900 ±150
Free Linear Expansion	2-5%
Shelf life	12 months

METHOD OF USE

CICO NSPGC is admixed with neat cement milk of suitable consistency and injected under pressure preferably by a positive displacement pump through nozzles. The surface of the concrete/rock should be properly sealed/patched to prevent the grout from coming out. **CICO NSPGC** should be mixed uniformly with dry cement.

DOSAGE

The rate of addition varies from 0.5% - 2% by weight of dry cement. The optimum dosage depends on the nature of the work.

COMPATIBILITY

Can be used with all types of Portland and Slag cements including sulphate resisting cement.

CONSISTENCY

CICO NSPGC is formulated from carefully selected raw materials and is manufactured under control conditions to give a consistent product.

HANDLING

CICO NSPGC is formulated from chemicals which present no fire or health hazards.

STORAGE

If stored in unopened containers at normal ambient temperatures, a shelf life of approximately 12 months could be expected.

PACKAGING

Available in 250 gm., 5 Kg & 25 Kg bags.

Important Note:

All CICO products are sold in the market after strict Quality Control in line of ISO 9001 and guaranteed against any manufacturing defect. Although the basic formulation of Company's products generally remains unchanged, production refinements arising from continuing research and evaluation program may occasionally result in marginal changes in properties. CICO aspires to ensure that any recommendation, advice, test data, specification, method statement and other information given in this product datasheet is accurate and best of company's knowledge. Since, the company (CICO TECHNOLOGIES LTD) has no control over the selection of its product, applicators, application methodology, how and where it is applied, therefore, the company cannot accept any liability directly or indirectly arising from the use of its product. It is important to any customer, user or specifier satisfies him / herself that the product is suitable for the intended purpose including health, safety and environmental aspect. Unless or otherwise agreed in writing, all products of the company are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. All customers, users, specifiers should ensure that they examine the suitability of the product with company's latest product data sheet.

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