

BLUSKY™ FLOWXCEM C

Polymer Modified Non-Shrink Admixture For Injection Cement Grouting

Description:

BLUSKY™ FLOWXCEM C is specially formulated non-shrink grouting aid. It is a free-flowing powder for addition to neat cement mixes. It plasticizes the mix, allowing for substantial reduction in water 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 drying shrinkage of cement. This ensures complete filling of voids and prevents formation of porous sections. It also imparts surface active properties and controlled volume increase during reaction; thus even the smallest cracks and pores can be impregnated.

Indicative Properties:

Appearance	Powder
Colour	Light brown
Chemical Base	Modified naphthalene
Bulk Density at 27°C	~0.80 kg/l
Fluidity, sec. (According to ASTM C 939 -87)	~ 15-20
Expansion, % (According to ASTM C 937- 80)	4 - 9
Cement Compatibility	Compatible with all type of Portland cement. Not with High Alumina Cement
Dosage	0.40% by weight of cement (200 gm per 50 kg bag of cement).

Uses:

BLUSKY™ FLOWXCEM C is used to increase flow and cohesion in cement grouts (addition of sand is possible) and to develop non-shrink property.

This product can be used for grouting of: Pre-stressed cable ducts, Rock and soil anchoring, Bearing plates, Pre-placed aggregates, Tunnel linings.

Advantages:

BLUSKY™ FLOWXCEM C provides the following beneficial properties: Improved fluidity, Increased cohesion, Volume expansion in the wet state to develop non-shrink property, Chloride free - does not attack reinforcement or prestressed cables

The information contained in this technical data sheet is given to the best of our knowledge and the results from extensive testing in order to remain as objective as possible. However, it cannot, in any case be considered as a warranty involving our liability in case of misuse or any different use of our products from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users.

Consult the latest update of the technical data sheet on our website www.bluskyscpl.com

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Application Method:

For quantities up to 50 kg a slow speed drill fitted with a high shear paddle is suitable. High shear vane mixer is needed for larger quantities. Gentle agitation and labour availability is essential to carry out the grouting operation continuously and maintain fluidity of grout.

BLUSKY™ FLOWXCEM C is added to neat cement or cement / sand grout @ 200gm / 50 Kg bag cement.

BLUSKY™ FLOWXCEM C is dry mixed with cement and then water may be added to it to make sure smooth even consistency is obtained. Around 18 to 20 % water reduction is possible on using

BLUSKY™ FLOWXCEM C.

Areas to be grouted should be prepared to ensure substrates are clean, sound, and then pre-wetted. The unrestrained surface area of the grout must be kept to a minimum. **BLUSKY™ FLOWXCEM C** mixed fluid grout should be used within 20 minutes to gain the full benefit of the expansion process. Water curing needs to be carried for exposed areas not to be cut back.

Overdosing with **BLUSKY™ FLOWXCEM C** may result in more expansion but causes frothing.

Shelf Life & Storage:

12 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +5°C to 40°C

Packing

1, 5, 10 & 20 kg waterproof laminated HDPE bag.

Safety

Wear hand gloves, safety shoes and safety goggles while using and handling the product.

In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

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INTEGRITY
SERVICE



BLUSKY™