

Intracrete® EH-V

High Performance Grouting Admixture

Product Description A high performance powder admixture for grouting application for cable grouting and anchoring of bolts in concrete.
Suitable for tropical and hot climatic conditions

Uses The expansion system of **Intracrete® EH-V** is based on nitrogen gas. Typical application fields are:
- Pre-stressed cable ducts
- Rock and soil anchoring
- Bearing plates
- Pre-placed aggregates
- Tunnel linings

Advantages **Intracrete® EH-V**, provide the following properties:
- Long retention of workability
- Improved fluidity
- Increased cohesion
- Volume expansion in the wet state

Test Report Al Futtaim Body Cote MTS, Dubai, UAE

Product Data

Type Blend of organic and inorganic chemicals

Form Off White Powder

Packaging Box of 20 x 1 kg bags
10 kg bags

Storage Condition Stored in moisture tight, closed and undamaged original containers protected from frost, (kept at temperatures between + 5°C and + 40°C)

Shelf life 12 months minimum if stored properly in original unopened packaging.

Technical Data

Dosage 2- 3 % by weight of cement

Chloride Content Nil (EN934)



Physical Properties

Examples of properties of cement pastes containing 2% of Intracrete® EH-V

Cement used	W/C ratio	Flow-Cone Test [sec.](1)			Bleed water [%] (1)	Vol. EX-Pansion [%] (1)	Temperature [°C]		Strength 28 days [MPa]
		0'	30 min.	60 min			Water	Grout	
OPC	0.34	20	19.8	23	0.26	1.8	5	21	81
OPC	0.36	13.7	13.1	13.3	0.25	1.9	5	20	72

(1) Tested in Al Futtaim Bodycote MTS, Dubai, UAE

Application

Dispensing

Add directly to the cement / water, mix in the mixer. Sand may be added as required. The most effective mixing sequence for a lump free homogeneous grout has proven to be water, cement and finally the admixture.

Application:

Mix cement, water and admixture to a homogeneous, liquid mix. Allow air bubbles to escape. Then grout from one side and allow the air to escape from the other side. Do not interrupt grouting.

Mix grout for 3-4 minutes or until a homogeneous, lump free mix is obtained.

Remarks

--For pre-stressed concrete work, where mechanical batching is carried out, a time of 3- 4 minutes mixing with a Water: Cement ratio of 0.34 - 0.36 has been found to give the best results.

-Initial trials with the materials to be used, and when changing materials, are always recommended. Grouts must have a minimum of bleeding, if any.

In hot summer temperatures:

-Use chilled water for mixing.

- Saturate ducts with chilled water prior to grouting.

-Push grout immediately after duct saturation

-Condition materials at room temperature before use.

Cements containing fly ash are unsuitable.

Safety

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notes

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