

PRODUCT DATA SHEET

Intracrete® EH-V AE

CABLE GROUT ADMIXTURE

DESCRIPTION

Intracrete® EH-V AE is a cable grout admixture in powder form. It introduces micro bubbles into the mix. Thereby promoting wet volume expansion and improves flow of the mixed grout without segregation. Suitable for use in tropical and hot climatic conditions.

USES

Intracrete® EH-V AE may only be used by experienced professionals.
 Intracrete® EH-V AE is used to increase the cohesion in cementitious grouts (addition of sand is possible).
 Intracrete® EH-V AE can be used for grouting of:

- Post tensioning cables
- Pre-stressed cable ducts
- Rock and concrete anchor bolts

CHARACTERISTICS / ADVANTAGES

Intracrete® EH-V AE has the following characteristics:

- Improved flow
- Does not contain chlorides and sulphates
- Increased cohesion
- Nitrogen gas system for volume expansion in wet state
- Slight retardation to extend open time

APPROVALS / CERTIFICATES

Intracrete® EH-V AE follows the main requirements of EN 447.

PRODUCT INFORMATION

Composition	Blend of organic and inorganic chemicals
Packaging	20 kg bags
Appearance / Colour	Light grey powder
Shelf life	12 months minimum from date of production
Storage conditions	Store in cool and dry conditions in unopened, undamaged and sealed original packaging at temperatures between +5 °C and +35 °C. Protect from direct sunlight, heat and moisture.
Density	~2.0 kg/l (25 °C, w/p =0.34) (fresh mixed grout)
Total chloride ion content	Nil (EN 934)

TECHNICAL INFORMATION

Indicative performance of mortar mix	Compressive strength (3 % Intracrete® EH-V AE bwom*):			
	w/p ratio	1 Day	28 Day	(EN 196)
	0.32	~20 N/mm ²	~65 N/mm ²	
	Flow (3 % Intracrete® EH-V AE bwom*):			
	w/p ratio	flow-cone test (initial)	flow-cone test (0.5 h)	(EN 445)
	0.34	≤ 25 s	≤ 25 s	
	Bleeding (3 % Intracrete® EH-V AE bwom*):			
	(w/p = 0.32)	Nil		(EN 445)

*Note: bwom = by weight of mix (cement (97%)+Intracrete® EH-V AE (3%))

APPLICATION INFORMATION

Recommended dosage	~3 % of Intracrete® EH-V AE by weight of mix (cement (97%)+Intracrete® EH-V AE(3%)) w/p ratio = 0.32 - 0.34 Trial mixes must be performed to establish the exact dosage rate required.
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APPLICATION INSTRUCTIONS

MIXING

The most effective mixing sequence for lump free, homogeneous grout has proven to be a batching sequence of: water, cement and finally the admixture.

IMPORTANT CONSIDERATIONS

- Trial mixes must be performed to establish the exact dosage rate required.
 - Cements containing fly ash are not suitable for use with Intracrete® EH-V AE.
 - Good practise in grout application and relevant standards need to be considered.
- In hot summer temperatures extra precautions are recommended:
- Condition materials at room temperature before use
 - Use chilled water for mixing
 - Saturate ducts with chilled water prior to grouting
 - Pump grout immediately after duct saturation

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets before using any products. For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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All products are supplied
under a management
system certified to conform
to the requirements of the
quality, environmental and
occupational health &
safety standards ISO 9001,
ISO 14001 and OHSAS
18001.

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