



K10 ADMIX

INTEGRAL WATERPROOFING ADMIXTURE FOR CONCRETE

DESCRIPTION

Davco K10 Admix is a poreblocking hydrophobic admixture that significantly reduces the permeability of concrete.

USES

Significantly reduced water absorption and penetration when added into concrete.

A low water/cement ratio, which reduces capillary paths in the cured concrete.

High slump, workable concrete mix for ease of placement.

Improved workability resulting in easier, more complete compaction.

Can be used in all types of concrete, with all types of cementitious binders.

APPLICATION

Davco K10 Admix provides structurally integral waterproofing (Type B construction) as defined in BS 8102 1990 and is suitable for Basement grades 1 to 4

Areas of applications:

- Water retaining structures
- Foundations
- Underground structures
- Water tanks

Davco K10 Admix is not intended or recommended for use in areas where concrete is expected to be exposed to repetitive freeze/thaw cycling, unless the concrete has been air-entrained.

Davco K10 Admix Concrete Typical Properties
Water Absorption < 1% to BS 1881 : Part 122

Dosage rates

Davco K10 Admix at 2000ml to 3000ml per 100kg of cement. (Please check with a Davco representative for further advice)

TECHNICAL DATA

Form : Yellowish

Chloride Content : Nil

Specific Gravity : Approx. 0.97

Specifications are subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

Design criteria

Concrete structures must be designed in accordance with BS 8110 1997 Part 1, or a comparable code.

A maximum design crack width of 0.3 mm must be used in the reinforced concrete design.

Compatibility

With cements: Davco K10 Admix can be used with all types of Portland Cements, including sulphate resisting cements.

It is compatible with concrete containing pulverised fuel ash (pfa), ground granulated blast furnace slag (ggbfs) and microsilica. For other cement types consult Davco.

With other admixtures: As with all concrete admixtures, Davco K10 Admix should not be pre-mixed with other admixtures or chemicals. The product must be added separately.





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Mix Design

Davco K10 Admix is engineered for use in concrete with medium to high workability and with a maximum water/cement ratio of 0.4. For best water absorption result, keep the concrete water/cement ratio at 0.40 or below. However, if a higher water/cement ratio is used, depending on project requirements, it is necessary to ascertain results through trial mixes.

* Addition rate can vary, depending on project requirements. Please consult your local Davco representative.

Concrete Placement

Place Concrete in accordance with the recommendations of BS 8000-9:2003, or a comparable code. Fully compact all concrete using best practices.

Curing

Concrete should be cured in accordance with the recommendations given in BS 8110 1997 Part 1, or a comparable code.

PACKAGING

Davco K10 Admix is supplied in 20 litre container, bulk and 208 litre nonreturnable containers or in 1,000 litre transi-tanks.

SHELF LIFE

Shelf life of at least 12 months in unopened containers when stored under cover and protect from frost. If the product freezes, contact Davco for advice.

HEALTH AND SAFETY

This product is non-toxic. In case of excessive skin contact, flush with plenty of water.

If ill effects should occur, seek medical attention immediately.

Refer to safety data sheet.

Disclaimer

The use of this product is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. Specifications are subjected to changes without prior notice. Before application, customers and users are requested to check that they have the latest version of this document from our website www.sika.com.sg

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