

PRODUCT DATA SHEET

Sika®-110 WP Admix

(formerly Davco® K10 Admix)

INTEGRAL WATERPROOFING ADMIXTURE FOR CONCRETE



DESCRIPTION

Sika®-110 WP Admix is a poreblocking hydrophobic admixture that significantly reduces the permeability of concrete.

USES

Sika®-110 WP 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

CHARACTERISTICS / ADVANTAGES

- 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.

APPROVALS / STANDARDS

Singapore Green Building Product (Leader) Cert. No. SGBP 4090

PRODUCT INFORMATION

Packaging	▪ 20 kg ▪ 150 kg
Colour	Light yellowish
Shelf Life	12 months from the date of production
Storage Conditions	Store properly in original, unopened and undamaged sealed packaging in dry conditions. Keep away from direct sunlight and frost.
Specific gravity	1.05 ± 0.05

TECHNICAL INFORMATION

Concrete Mix Design

Sika®-110 WP 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 Sika representative.

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

Chloride Content	≤ 0.1 %
------------------	---------

APPLICATION INFORMATION

Recommended Dosage	Sika®-110 WP Admix at 2 ltr to 3 ltr per 100kg of cement. (Please check with a Sika representative for further advice)
Compatibility	With cements: Sika®-110 WP 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 Sika representative. With other admixtures: As with all concrete admixtures, Sika®-110 WP Admix should not be pre-mixed with other admixtures or chemicals. The product must be added separately.
Curing Conditions	Concrete should be cured in accordance with the recommendations given in BS 8110 1997 Part 1, or a comparable code.

BASIS OF PRODUCT DATA

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

IMPORTANT CONSIDERATIONS

Sika®-110 WP 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.

ECOLOGY, HEALTH AND SAFETY

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.

MIXING

Sika®-110 WP Admix must be stirred slowly before use to ensure a homogeneous, lump free consistency. Sika®-110 WP Admix shall be diluted in the gauging water. The dilution must be stirred slowly (to ensure a homogeneous, lump free consistency) prior addition into the mortar/concrete mixer. Sika®-1 can also be added neat to the mortar/concrete mix provided that the mixture is properly mixed to achieve a homogeneous consistency.

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.

Sika (Singapore) Pte Ltd.
28 Tuas South Ave 8
Singapore 637648
Phone: +65 6861 0632
Fax: +65 6862 3915
Email: sales@sg.sika.com
www.sika.com.sg



Product Data Sheet
Sika®-110 WP Admix
September 2025, Version 01.02
020705040010000084

Sika-110WPAdmix-en-SG-(09-2025)-1-2.pdf

