

PRODUCT DATA SHEET

SikaCem[®]-125 Accelerator

LIQUID ADMIXTURE FOR ACCELERATED SETTING AND HARDENING TIME OF CONCRETE AND MORTAR

PRODUCT DESCRIPTION

SikaCem[®]-125 Accelerator is a chloride free liquid admixture for set acceleration and rapid hardening of cement based mortar, concrete, screeding and render. It also provides frost protection in the wet mortar during the setting period; even in sub-zero temperatures (down to -8 °C), and may be used neat with cement as a plugging aid. SikaCem[®]-125 Accelerator is non-corrosive to metals so may be used with brick ties. Conforms to EN934-2 Table 7.

USES

- Mortars
- Floor screeds
- External/Internal cement based rendering
- Concrete (not structural)
- Suitable for use as an emergency repair plugging aid when mixed neat with cement.

CHARACTERISTICS / ADVANTAGES

- Faster finishing times even in cold weather.
- Provides frost protection down to -8 °C in wet mortar.
- Chloride free non corrosive formula.
- Optimises mould usage.

APPROVALS / STANDARDS

Conforms to EN934-2 Table 7.

PRODUCT INFORMATION

Packaging	5 L Jerry
Shelf Life	24 months from date of manufacture in unopened containers.
Storage Conditions	Store in original unopened containers between +5 and +40 °C.
Appearance / Colour	Clear Liquid
Specific gravity	Approx 1.2 g / cm ³ at 20 °C
pH-Value	9-11
Total Chloride Ion Content	<0.1 % w/w

Concrete Mix Design

Use	Mix Design	Addition Rate / 50 kg Setting Cement	Time (Approx)
Concrete	1:2:4	2.5 L 5 L	7 Hours 2.5 Hours
Floor Screeds	1:3	2.5 L 5 L	6 Hours 2 Hours

APPLICATION INFORMATION

Recommended Dosage

As Frostproofers;
Ambient temperatures down to -4 °C : 2.5 L per 50 kg cement.
Ambient temperatures down to -8 °C : 5 L per 50 kg cement.

VALUE BASE

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

ECOLOGY, HEALTH AND SAFETY

Consult SDS for full list of hazards.

REGULATION (EC) NO 1907/2006 - REACH

APPLICATION INSTRUCTIONS

Work should be carried out in accordance with the methods outlined in the Code of Practice BS5628 Part 3 for protection and use of mortars at low temperatures. All materials used must be free from ice and the temperature of the mix prior to placing must not be less than +4 °C.

AS AN ACCELERATOR: Add to gauging water at an addition rate of 2.5 to 5 L per 50 kg cement depending on the degree of acceleration required. Note: remember to reduce required quantity of water accordingly.

AS A FROSTPROOFER: Add to gauging water at an addition rate of use 2.5 L/50 kg cement for protection down to -4 °C and 5 L/50 kg cement for protection down to -8 °C, again, reducing required quantity of water accordingly.

AS A PLUGGING AID: Mix neat with fresh cement and place immediately.

NOTE: Concrete must be covered after placing until the minimum strength is obtained or until the temperature rises above freezing. Do not use with high alumina cement. Following is an indication of setting times at +20 °C (use as a guide only).

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 the exact product data and uses.

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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Product Data Sheet

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