

PRODUCT DATA SHEET

Sika® Wintermix

Winter working admixture and frostproofers.

PRODUCT DESCRIPTION

Sika® Wintermix is an air entraining chloride free liquid admixture for mortar and concrete which also acts as an accelerator for work in sub - zero temperatures. Improves workability and freeze/thaw resistance in brick laying mortars and eliminates the need for a separate frostproofers.

USES

- As an air entraining water reducing admixture and accelerator/frostproofers for brick and block laying mortar, render (internal and external) and concrete.
- Suitable for loadbearing brickwork, block laying, external and internal rendering, pointing/repointing brickwork, floor screeds.

CHARACTERISTICS / ADVANTAGES

- Increased frost resistance during setting.
- Non - corrosive to embedded metal.
- Eases tamping down and alignment.
- Improves workability/trowelability even in cold weather.
- Provides resistance to freeze/thaw cycling down to - 8 °C in both wet and dry mortar.
- Reduces bleeding/segregation.
- Replaces lime in mix, hence reduces possibility of lime bloom and efflorescence.
- Reduces shrinkage (cracking and crazing reduced).
- Faster finishing times even in cold weather.

Typical Reduction in Setting Times 20-30 % at 2.5 Ltr/50 Kg cement

APPROVALS / STANDARDS

EN 934-3:2009 Air entraining/plasticizing mixture.

PRODUCT INFORMATION

Packaging	5 L jerry
Shelf Life	24 months from date of manufacture when stored according to manufacturer's instructions.
Storage Conditions	Store between 5 and 25 °C. Will reconstitute after freezing.
Appearance / Colour	Amber clear liquid.
Density	1.08-1.14 g/cm ³
pH-Value	8.5 - 10.5
Total Chloride Ion Content	< 0.1% w/w
Concrete Mix Design	The following are examples of modified mix designs. 1: 0.25 :3 cement : lime : sand . use 1 : 3 cement : sand : + Sika® Wintermix 1:1:6 cement : lime : sand use 1 : 6 cement : sand + Sika® Wintermix

BRICKLAYING/POINTING: Use a mix design appropriate to brick strength (1 : 3 to 1 : 6).

INTERNAL RENDERS: 1 : 6 + Sika® Wintermix

EXTERNAL RENDERS: 1 : 3 + Sika® Wintermix

APPLICATION INFORMATION

Recommended Dosage

Ambient temperatures down to -4 °C: 1.25 L per 25 kg cement.
Ambient temperatures below -8 °C: 2.5 L per 25 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.

LIMITATIONS

- Concrete must be covered after placing until the minimum strength is obtained or until the temperature rises above freezing.
- Do not use weak mixes during cold weather.
- Do not overdose.
- Do not use with high alumina cement.
- Do not mix with other additives in same gauging water.
- Product is air entraining – do not use with structural concrete.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

All materials used must be free from ice and the temperature of the mix prior to placing not be less than +4 °C. Concrete must be covered after placing until the minimum strength is obtained or until the temperature rises above freezing. Do not use weak mixes during cold weather.

APPLICATION

In all cases, add to mix at an addition rate of 1.25 to 2.5 L per 25 kg cement depending on the degree of plasticising/acceleration required. Note: remember to reduce required quantity of water accordingly. Alternatively, add to mixing drum at same time as water.

SIKA LIMITED

Watchmead
Welwyn Garden City
Hertfordshire, AL7 1BQ
Tel: 01707 394444
Web: www.sika.co.uk
Twitter: @SikaLimited

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.

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.