

PRODUCT DATA SHEET

Sika MaxMix® Concentrated Frostproofer and Hardener

Non-corrosive, air entraining frostproofer and accelerator for mortar, render and screeds

PRODUCT DESCRIPTION

Sika MaxMix® Concentrated Frostproofer and Hardener is a highly concentrated, chloride free, air entraining admix which is designed specifically for cold weather working, eliminating the requirement for a second frostproofing admix.

It reduces the setting time of sand and cement based mortars, renders, screeds etc and is the ideal choice for a cold weather admix providing frost protection below -4 °C. Being chloride free, it will not attack embedded steel and hence is suitable for use with brick ties etc.

USES

- Mortars.
- Floor screeds.
- External/Internal cement based rendering.
- Emergency repair plugging aid when mixed neat with cement.

PRODUCT INFORMATION

Packaging	1 L dosing bottle
Appearance / Colour	Yellow / green liquid
Shelf Life	12 months from date of manufacture in unopened containers.
Storage Conditions	Store in original unopened containers between +5 °C and +25 °C. Do not store above 30 °C.
Density	1.46 - 1.52 g/cm ³ at 20 °C
pH-Value	5.5 - 7.5
Total Chloride Ion Content	<0.1 % w/w

CHARACTERISTICS / ADVANTAGES

- Chloride free.
- Improves frost resistance.
- Reduces water absorption and penetration.
- Improves workability and accelerates set.
- Protects in sub-zero temperatures.
- Easy to use, controlled dosage system, so no waste or spillages.
- Powerful formula - 1 L treats up to 100 kg of cement.

APPROVALS / STANDARDS

Certified for CE and UKCA mark under EN934-3.

APPLICATION INFORMATION

Recommended Dosage

250 - 500 mL per 25 kg cement.

VALUE BASE

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.

LIMITATIONS

- Do not exceed recommended dosage rate range.
- Do not use in structural concrete.
- Ensure container is always kept in a secure upright position during both storage and transit. Dispose of this product and packaging correctly.
- Do not allow to enter watercourses.

It is the user's responsibility to determine suitability for use. If in doubt, please contact Technical Services Department for further advice.

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

SUBSTRATE PREPARATION

- All materials used must be free from ice and the temperature of the mix prior to placing must not be less than +4 °C.

APPLICATION METHOD / TOOLS

- Shake bottle before use. Measure correct dosage of Sika MaxMix® Concentrated Frostproofer and Hardener:
- For frost protection down to -4 °C: Add 250 mL per 25 kg cement.
- For frost protection below -4 °C: Add 500 mL per 25 kg cement.
- Stir well to disperse, then add to sand and cement followed by the rest of required MaxMix® /Water mix until required consistency is obtained.
- NEVER add this product directly to mix – always let down in a portion of the gauging water.
- This admix contains a plasticiser hence total amount of water required will be reduced.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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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