

## PRODUCT DATA SHEET

# EVERBUILD® 203 Accelerator & Frostproof-er

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

### PRODUCT DESCRIPTION

EVERBUILD® 203 Accelerator & Frostproof-er is a liquid additive formulated to accelerate setting and hardening times of mortar, concretes, screeds and rendering to provide frost protection during the setting period. Effective even in sub-zero temperatures and can also be used in normal temperatures where a rapid set is required and as a plugging admixture.

### 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
- <0.1% Chloride ion, non corrosive formula
- Optimises mould usage

### APPROVALS / STANDARDS

Conforms to EN934-2 Table 7

### PRODUCT INFORMATION

<b>Packaging</b>	5ltr and 25ltr jerry can
<b>Appearance / Colour</b>	Clear liquid
<b>Shelf Life</b>	36 months from date of manufacture in original unopened containers.
<b>Storage Conditions</b>	Store in dry conditions away from direct sunlight between 5°C and 40°C. Protect from frost.
<b>Density</b>	ca. 1.2g/cm <sup>3</sup>
<b>pH-Value</b>	9-11

## APPLICATION INFORMATION

### Recommended Dosage

#### As a frostproofers:

Ambient temperatures down to -4°C : 2.5Ltrs per 50Kg cement  
Ambient temperatures down to -8°C : 5Ltrs per 50Kg cement

### Drying time

The following is an indication of setting times at 20°C (use as a guide only)

Use	Mix Design	Addition Rate / 50kg Cement	Setting Time (Approx)
Plugging Aid	Neat Fresh OPC	-	2-3 minutes
Concrete	1:2:4	2.5ltr 5ltr	7 Hours 2.5 hours
Floor Screeds	1:3	2.5ltr 5ltr	6 hours 2 hours

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

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.

### APPLICATION METHOD / TOOLS

**AS AN ACCELERATOR:** Add to gauging water at a rate of 2.5 to 5 litres per 50kg 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 a rate of use 2.5ltrs/50kg cement for protection down to -4°C and 5ltrs/50kg 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.

## LIMITATIONS

- Do not overdose.
- Do not use weak mixes during cold weather.
- Do not mix with other additives in the same gauging water.
- 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.

## 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.

## 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.

## 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.

## 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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