



# TECHNICAL DATA SHEET

## SIKA WINTERMIX 5L

A chloride free, winter working admixture for concrete that is suitable for use with steel reinforcement.

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## SIKA WINTERMIX

Colour	Product Code	Pack Size	Box Qty
Clear Amber	SKWINT5	5ltr	4

### Product Description

Sika Wintermix is 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. Conforms to EN934-3 (2009).

### Benefits

- Increased frost resistance during setting.
- Non - corrosive to imbedded metal (chloride ion free)
- 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.
- Chloride free (chloride ion content < 0.1%).
- 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.

### Areas For Use

As an air entraining water reducing admixture and accelerator/frostproofers for brick and block laying mortar, render (internal and external) and concrete. Accelerates setting time during cold periods.

Suitable for:

- Load bearing brickwork
- Block laying
- External/Internal rendering
- Pointing/repointing brickwork.
- Floor screeds

### 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.

### 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

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 and DOE Advisory Leaflet No. 8. In all cases, add to mix at an addition rate of 2.5 to 5 litres per 50kg 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.

The following are examples of modified mix designs.

1: 0.25 :3 cement : lime : sand.  
 use 1 : 3 cement : sand : + Wintermix

1:1:6 cement : lime : sand  
 use 1 : 6 cement : sand + *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

### Specific Data

<b>Appearance</b>	Clear/Amber Liquid
<b>Specific Gravity @ 20°C</b>	1.2
<b>Freezing Point</b>	-
<b>pH</b>	9
<b>Chloride Ion Content</b>	< 0.1% w/w (nil)
<b>Dosage</b>	Ambient temperatures down to -4°C: 2.5Litres per 50Kg cement Ambient temperatures below -4°C: 5Litres per 50Kg cement
<b>Typical Reduction In Setting Times</b>	20-30% (@ 2.5Ltr/50Kg cement)

### Health & Safety


Consult MSDS for full list of hazards.

### Storage

Store at moderate temperatures. Will reconstitute after freezing.

### Shelf Life

24 months from date of manufacture when stored according to manufacturer's instructions.


Site 41, Cross Green Industrial estate, Knowsthorpe Way, Leeds LS9 0SW
11  0086-CPD-565048  EN934-3 (2009) Air entraining/plasticizing admixture for masonry mortar EN934-3, T2. Chloride content: <0.1% w/w Alkali content : 0.1% by mass Corrosion behaviour <sup>2</sup> : NPD

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