



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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<https://www.sikaproducts.com/products/sika-wintermix-5l/>

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

Appearance	Clear/Amber Liquid
Specific Gravity @ 20°C	1.2
Freezing Point	-
pH	9
Chloride Ion Content	< 0.1% w/w (nil)
Dosage	Ambient temperatures down to -4°C: 2.5Litres per 50Kg cement Ambient temperatures below -4°C: 5Litres per 50Kg cement
Typical Reduction In Setting Times	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 ² : NPD

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