

# WINTER PLAS



Larsen Winter Plas is a chloride-free, liquid admixture which combines acceleration with plasticising/air-entrainment. A single part product containing air entrainer and frostproofers which, when added to mortar, allows work to continue throughout the winter. The air-entraining properties improve the workability while the acceleration improves the set during colder periods.

**Increases frost resistance during setting**  
**Faster finishing times - even in cold weather**  
**Higher strength at an earlier stage**  
**Less Waste**  
**Chloride-free**



## TECHNICAL INFORMATION

PRODUCT INFORMATION	
<b>FORM:</b>	Liquid
<b>COLOUR:</b>	Blue
<b>PACKAGING:</b>	5L, 25L and 200L
<b>STORAGE:</b>	This product must be stored in closed containers protected from extremes of temperature. If the product has frozen, thaw at temperatures above +4°C and reconstitute by mechanical agitation only, before carrying out trials to ensure suitability for continued use.
<b>SHELF LIFE:</b>	12 months in unopened manufacturer's containers
TECHNICAL INFORMATION	
<b>SPECIFIC GRAVITY:</b>	1.20-1.26g/ml
<b>pH:</b>	5 - 7
<b>CHLORIDE CONTENT:</b>	< 0.1% w/w
<b>ALKALI CONTENT:</b>	<0.5%
<b>DOSAGE:</b>	1 - 2L per 25 kg cement

**DIRECTIONS FOR USE****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. Work must be protected from frost and covered after placing until the minimum strength is obtained or until the temperature rises above freezing. It is recommended to use stronger mixes during cold weather.

**APPLICATION**

In all cases, add to mix at an addition rate of 1 to 2 litres per 25kg 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.

Add WINTER PLAS to the gauging water or into the mixer with the water.

**Dosage**

Down to -4°C - Add 1-1.5 litres per 25kg bag of cement.

Below -4°C - Add up to 2L per 25kg bag of cement.

**RESTRICTIONS**

Current good working practice, British Standards and trade body recommendations must be observed at all times. Always read Technical & Safety Datasheets use. Always add to mix with or after water. Always carry out trial mixes to ascertain the optimum working dosage. All work should progress in accordance with the methods laid down in the Code of Practice BS 5628 Part 3 for protection and use of mortars at low temperatures. Do not use in conjunction with other Mortar Plasticisers or other Frostproofing admixtures. Never use mortar that contains ice particles or lay mortar on frozen surfaces.