



Sovereign

the gold standard in building products

Technical
Data Sheet **36**

Sovereign Anti-Freeze and Rapid Setter

Sovereign Antifreeze and Rapid Setter is effective in low temperature situations



Product Code

5 Litre: **30806346**

20 Litre: **30806347**

Description

Sovereign Antifreeze and Rapid Setter is a combination of calcium chloride and aluminium chloride and is designed to increase the hydration of cement in mortars, concrete and renders.

Sovereign Antifreeze and Rapid Setter is particularly used in low temperature situations for bricklaying, rendering, blockwork and mortars.

Form Supplied: Liquid Concentrate

Pack Sizes: 5 Litre, 20 Litre

Colour Range: Blue liquid

Contains: Calcium and Aluminium Chloride

Properties

Sovereign Antifreeze and Rapid Setter may be used with Ordinary Portland and Rapid Hardening Portland Cement. Sovereign Antifreeze and Rapid Setter can reduce the setting times of cementitious mixes by up to 50%, depending upon the mix design and site temperature.



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PREPARATION

Mix well before use. Mix with gauging water and add gauging solution to mortar/concrete as required.

For Rapid Hardening

in a 1:3 (cement:sand) mix per 100 kg cement.

Addition Rate (L)	Set Time (Hours)
2	8
5	6
10	2

For Cold Weather

in a 1:3 (cement:sand) mix per 100 kg cement.

Temperature	Antifreeze:Water
0 to +4°C	1:30
-4°C to -8°C	1:20
-8°C to -12°C 10	1:8

All the materials used for mortar and rendering must be free from ice. When calculating ratios it is important to remember that the expected temperature after use should be taken into account, not the existing temperature (e.g. overnight frost can be several degrees lower).

USAGE

After placing the concrete/mortar or rendering we recommend covering the finished work to conserve the heat generated during cure.

CLEAN UP

Tools should be washed with clean water immediately after use. Cured mortar or cement may be removed with Sovereign Descaler.

LIMITATIONS

Not recommended for use with High Alumina Cement, Sulphate Resisting Cement or Extra Rapid Hardening Cement. Sovereign Antifreeze and Rapid Setter cannot and should not be used with steel or other metalwork reinforcements, as corrosion of the metal will be increased. Do not use in pre-stressed concrete or concrete to be steam cured.

Storage: Between 5°C – 30°C.

Shelf Life: 12 months unopened.

HEALTH & SAFETY

- ! Irritant. Irritating to eyes and skin.
- ! Keep out of reach of children. In case of contact with eyes rinse immediately with plenty of water and seek medical advice.
- ! After contact with skin wash with plenty of soap and water.



Health & safety information
available on request



Important Disclaimer

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