



CEMENT SET

CHLORIDE FREE



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**CHLORIDE-FREE
SET ACCELERATOR**

**MAINTAINS SET AT
TEMPERATURES < 5°C**

**SHORTENS SET TIME
AT AMBIENT TEMPS**

DESCRIPTION:

PALACE CEMENT SET is a chloride free admixture for the maintaining & accelerating the setting of cement-based, mortars, renders, screeds and concrete structures when mixing & laying at temperatures below 5°C. It will protect against the damaging effects frost and ice can have on recently cast & poured cement based mixes even when temperatures drop to as low as -8°C.. CEMENT SET can also be used as a rapid setting accelerator when mixed with cement based mixes producing much quicker setting characteristics, shortening open time and assisting in the use of repair mortars used to seal cracks and leaks where an ultra fast set and early strength development is essential..

PRECAUTIONS:

CEMENT SET should not be mixed with other additives during the dosing process and must always be applied within the dosing limits shown in the table below. This additive is not suitable for use with Gypsum plasters or High Alumina Cements. 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:

All work on site should be carried out in accordance with the codes of practice outlined in BS5626 pt III for protection and use of cement mixtures at low temperatures. Depending on the temperature at the time of application addition of admixture should be made at the rate of 2.5 to 5 litres per 50kg of cement (see table below) introduced into the mix added via the gauging liquid, the volume of which should be adjusted accordingly to accommodate this addition. All poured concrete slabs should be covered with polythene sheeting soon after placement to prevent surface freezing

APPLICATION RATES:

The following table outlines the likely methods of use and dosages required:

APPLICATION	MIX DESIGN	SETTING TIMES
Leak plugging mortar mix with instant setting properties	Neat OPC mixed 1 : 1 with neat cement set	2 – 3 minutes to initial set.
Concrete driveway (domestic) paving & pre-cast structures	1 part OPC : 2 sand : 4 aggregate	2.5 litres cement set ~ 8 hours 5 litres cement set ~ 3 hours
Surface granolithic toppings and floor screeds	1 part OPC : 3 parts zone 3 sand	2.5 litres cement set ~ 7 hours 5 litres cement set ~ 2.5 hours

HEALTH & SAFETY:

Causes serious eye irritation. Avoid eye contact. Wear eye and face protection. Keep out of reach of children. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.



STORAGE & PACKAGING:

CEMENT SET is supplied in 5 litre and 25 litre polythene containers and must be stored in sealed secure conditions away from sources of heat, or exposure to low temperatures and frost. Should further more specific technical information be required, contact the Palace Technical helpline on 0151 486 6101.

The information provided by this Technical data sheet is given in good faith and is to the best of our current knowledge true and accurate. However it is given without guarantee, as conditions of use and workmanship involved are both beyond our control. All information supplied is subject to the company's terms and conditions of sale, copies of which are available on request.

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