

EVERBUILD 203 ACCELERATOR & FROSTPROOFER

Colour	Product Code	Pack Size	Box Qty
-	ACC5L	5Ltr	4
	ACCE25L	25Ltr	1

Product Description

EVERBUILD ACCELERATOR AND FROSTPROOFER is liquid admixture for the acceleration of setting time of cement based mortar, concrete, screeding and render. Also provides frost protection in the wet mortar during the setting period, even in sub-zero temperatures. Contains calcium chloride.

Benefits

- Faster finishing times even in cold weather.
- Provides frost protection down to -8°C in wet mortar.
- Optimises mould usage.

Areas For Use

- Mortars (not metal reinforced)
- Floor screeds
- External/Internal cement based rendering
- Concrete (not structural)
- Suitable for use as an emergency repair plugging aid when mixed neat with cement.

Limitations

- Do not use in mixes containing High Alumina Cement.
- Do not overdose.
- Do not mix with other additives in same gauging water.
- As the product contains calcium chloride, it is not suitable for use with structural concrete
- Do not use where brick ties are present. Use EVERBUILD ZEROMIX C.F.F.
- 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. In all cases, add to mix at an addition rate of 2.5 to 5 litres per 50kg cement depending on the degree of acceleration required. Note: remember to reduce required quantity of water accordingly. Alternatively, add to mixing drum at same time as water. 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 with high alumina cement.

The following are examples of modified mix designs.

PLUGGING AID

Mix neat with **fresh** ordinary portland cement and use immediately.

SCREEDING

General Concrete: Mix design should be no weaker than 1:2:4
2.5 to 5 litres per 50kg cement as detailed in table.

Granolithic Toppings:	Clean granolithic chippings (3-6mm)	2 parts
	Concrete sand	0.5 parts
	Ordinary portland cement	1 part

ACCELERATOR AND FROSTPROOFER: 2.5 - 5 litres/50kg cement.

Refer to BS8204 Part 2 and BS8000 Part 9 for relevant guidelines on installation and mix designs.

Use	Mix Design	Addition Rate / 50kg Setting Cement	Time (Approx)
Plugging Aid	Neat Fresh OPC		2-3mins
Concrete	1:2:4	2.5Ltr 5Ltr	7 Hours 2.5 Hours
Floor Screeds	1:3	2.5Ltr 5Ltr	6 Hours 2 Hours

Specific Data

Appearance	Clear green liquid
Active Content	20-30% Calcium Chloride w/v
Specific Gravity @ 20°C	1.2 Approx
Chloride Ion Content	Approx 0.8% at 5 Litres per 50Kg cement
pH	9 – 11
Dosage (as frostproofers)	Ambient temperatures down to -4°C : 2.5Ltrs per 50Kg cement Ambient temperatures down to -8°C : 5Ltrs per 50Kg cement

Health & Safety

Consult MSDS for full list of hazards.

Storage

Store in original unopened containers between 5 and 40°C.

Shelf Life

Two years in original unopened containers.

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