

COLOURPLAS 334C

Calcium Chloride Accelerator

Description

Colourplas 334C is a concrete accelerator based on calcium chloride for use where rapid hardening and increased early strength properties are required.

Colourplas 334C is used in the production of concrete blocks and bricks, including low slump concrete using vibro compression and instant demould. **Colourplas 334C** is not suited to concrete containing embedded metals.

Applications

Colourplas 334C will protect concrete when placing in low temperature conditions by accelerating the setting and hardening rates. **Colourplas 334C** is suitable for all concrete which do not contain embedded metals particularly dry or semi-dry production.

Benefits in Concrete

- Accelerated strength
- Reduced curing times
- Reduced breakages
- Cement economies
- Increased production
- Cold weather concrete



Properties

Nature	Liquid
Colour	Clear
Specific Gravity	1.36 g/cm ³
pH	10.5
Chloride Content	<25.0%
Na ₂ O equivalent	<1.00%

Addition Rates

Dosage rates vary dependant on mix design, process, aggregate type and the desired effect but typically:

500mls - 5000mls per 100 kg cement
(0.50% - 5.00% by weight of cement)

The correct dosage for the material package used should be determined by laboratory trials, please contact the OSCRETE Technical department for further advice.

Standards

Colourplas 334C is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.



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Compatibility

Colourplas 334C is compatible with all types of EN 197 cement systems.

Colourplas 334C should not be pre-mixed with other admixtures and should be batched separately.

Storage

Colourplas 334C should be stored undercover and protected from extreme temperatures, if stored unopened within the range 5°C and 30°C the product will have a minimum shelf life of 12 months.

Handling

Please refer to the **Colourplas 334C** Material Safety Data Sheet but in line with normal handling procedures, personal protective equipment should be worn.

Packaging

200 litre drums, 1000 litre IBCs and bulk deliveries.

Notes

Colourplas 334C should be added with the water or at the end of the mixing process and not directly onto the cement. A mixing time of at least 30 seconds is recommended after the addition of the admixture.

If frozen **Colourplas 334C** may be used after thawing slowly at room temperature followed by intensive remixing.

Please consult the OSCRETE Technical Department for advice on admixture selection.

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Disclaimer

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