

COLOURPLAS CBX

Accelerated Block & CBP Processing Aid

PRODUCT DESCRIPTION

Colourplas CBX is an accelerated concentrated long chain fatty acid emulsion based processing aid, specifically designed to improve the compaction, workability and early-age strength of dry and semi-dry concrete mixes while maintaining or allowing increases to water contents. **Colourplas CBX** allows for a reduction of the cement content or an increase of the block strength as well as a better surface quality of the finished product.

APPLICATIONS

Colourplas CBX is used to improve the compaction, early age strength and handling of all dry/semi-dry concrete processes for blocks, flags, pavers and other concrete products. The improved mix properties also result in reduced machine stress and parts wear.

BENEFITS

- Increased early and final strength.
- Ability to use lower eCO₂ binders.
- Cement content reduction.
- Reduced wastage.
- Improved compaction.
- Improved processing.
- Better surface finish.
- Improved colour intensity and stability.
- Enhanced freeze-thaw resistance.

PROPERTIES

Nature:	Liquid
Appearance:	Light Straw
Specific Gravity: (20°C)	1.06 g/cm ³
pH:	9.9
Chloride Content:	< 0.10
Alkali Content (Na ₂ O):	< 2.00

ADDITION RATES

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

50mls—500mls per 100kg cement

(0.05% - 0.50% 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 CBX is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.



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COMPATIBILITY

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

Colourplas CBX should not be premixed with other admixtures and should be batched separately.

STORAGE

Colourplas CBX should be stored undercover and protected from extreme temperature between 5°C to 30°C. If protected from frost and direct sunlight, the product has a minimum shelf life of 12 months.

HANDLING

Please refer to the **Colourplas CBX** material safety data sheet but in line with normal handling procedures, personal protective equipment should be worn.

PACKAGING

200 litre drums and 1000 litre IBC's.

NOTES

Colourplas CBX 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 CBX** will not recover, avoid freezing at all cost.

Please consult the OSCRETE technical department for advice on admixture selection.

Disclaimer

The physical properties quoted are typical, and should not be taken as a specification. The information supplied in our literature is based on data and experience and is given in good faith. Our policy is one of continuous research and development and we reserve the right to update this information at any time; customers should therefore ensure they have the latest issue. Whilst we guarantee the consistent high quality of our products, we have no control over the circumstances in which our materials are used, site conditions or the execution of the work and are therefore unable to accept any liability for any loss or damage which may arise as a result thereof. Materials are supplied in accordance with our standard conditions of sale.

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