

COLOURPLAS HD20

Block Processing Aid & Water Resisting Admixture

Description

Colourplas HD20 (Hydro-dynamic) is a specially formulated processing aid and water resisting admixture developed to improve compaction and reduce the permeability of concrete. **Colourplas HD20** is particularly beneficial in dry or semi dry concrete.

Applications

Colourplas HD20 is used to improve the compaction, handling and waterproof properties of dry or semi-dry concrete by improving compaction and forming a permanent hydrophobic layer at the air-concrete interface.

Benefits in Concrete

- Reduced shrinkage
- Reduced permeability
- Increased water tightness
- Reduced efflorescence
- Improved Compaction
- Improved processing
- Better surface finish
- Increased early strength
- Improved colour

Properties

Nature	Liquid
Colour	Light Straw
Specific Gravity	1.04 g/cm ³
pH	>11.5
Chloride Content	<0.10%
Na ₂ O equivalent	<4.00%

Addition Rates

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

200mls - 800mls per 100 kg cement
(0.20% - 0.80% by weight of cement)

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

Standards

Colourplas HD20 is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.



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Compatibility

Colourplas HD20 is compatible with all types of EN 197 cement systems.

Colourplas HD20 should not be pre-mixed with other admixtures and should be batched separately.

Storage

Colourplas HD20 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 HD20** 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 HD20 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 HD20** may be used after thawing slowly at room temperature followed by intensive remixing.

Colourplas HD20 is designed for use in dry/semi-dry concrete and masonry mortar, if used in wet concrete over 50mm slump increases in air entrainment will be seen.

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

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Disclaimer

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