

# COLOURPLAS HD20

## Block Processing Aid & Water Resisting Admixture

### PRODUCT DESCRIPTION

**Colourplas HD20** (Hydro-dynamic) is a specially formulated processing aid combined with water resisting admixtures, it has been developed to improve compaction and reduce the permeability of concrete as well as improving the dispersion characteristics of the pigments present.

**Colourplas HD20** is particularly beneficial in dry or semi-dry concrete.

### APPLICATIONS

**Colourplas HD20** is used to improve compaction, handling and water resistance of all dry/semi-dry concrete processes for blocks, flags, pavers and other concrete products by improving compaction and forming a permanent hydrophobic layer at the air-concrete interface.

### BENEFITS

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

### PROPERTIES

Nature:	Liquid
Appearance:	Light Straw
Specific Gravity: (20°C)	1.04 g/cm <sup>3</sup>
pH:	>11.5
Chloride Content:	< 0.10
Alkali Content (Na <sub>2</sub> O):	< 4.00

### ADDITION RATES

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

200mls—800mls per 100kg 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 OSCRETE 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 premixed with other admixtures and should be batched separately.

### STORAGE

**Colourplas HD20** should be protected from extreme temperature, frost and direct sunlight, the product has 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 litres drums, 1000 litre IBC's 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 mixing.

**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 observed.

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

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#### Disclaimer

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