

# COLOURPLAS COMPACT

## Block Processing Aid

### PRODUCT DESCRIPTION

**Colourplas Compact** is a concentrated long chain fatty acid emulsion based processing aid, specifically designed to improve the compaction and workability of dry and semi-dry concrete mixes while maintaining or allowing increases to water contents. **Colourplas Compact** 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 Compact** is used to improve compaction 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

- Improved compaction.
- Improved processing.
- Cement content reduction.
- Better surface finish.
- Strength increases at all ages.
- Improved colour intensity and stability.
- Enhanced freeze-thaw resistance.

### PROPERTIES

Nature:	Liquid
Appearance:	Light Straw
Specific Gravity: (20°C)	1.00 g/cm <sup>3</sup>
pH:	9.0
Chloride Content:	< 0.10
Alkali Content (Na <sub>2</sub> 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 Compact** is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.



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### COMPATIBILITY

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

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

### STORAGE

**Colourplas Compact** 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 Compact** material safety data sheet but in line with normal handling procedures, personal protective equipment should be worn.

### PACKAGING

1000 litre IBC's and bulk deliveries.

### NOTES

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

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

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#### Disclaimer

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