

# COLOURPLAS 540

## Block Processing Aid

### PRODUCT DESCRIPTION

**Colourplas 540** is a specially formulated product designed to meet the requirements of the block paving industry. **Colourplas 540** will benefit processing by improving compaction, whilst maintaining the consistency of the mix and improving the dispersion characteristics of the pigments present, these properties will give reduced permeability leading to a reduction in the occurrence of efflorescence.

### APPLICATIONS

**Colourplas 540** 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. The use of **Colourplas 540** will enhance the strength of blocks at all ages including mixes containing GGBS and Pfa

### BENEFITS

- Improved compaction.
- Improved processing.
- Better surface finish.
- Strength increases at all ages.
- Improved colour intensity and stability.
- Reduced efflorescence.

### PROPERTIES

|                                     |                        |
|-------------------------------------|------------------------|
| Nature:                             | Liquid                 |
| Appearance:                         | Amber                  |
| Specific Gravity: (20°C)            | 1.05 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 540** is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.



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### COMPATIBILITY

**Colourplas 540** is compatible with all types of EN 197 cement systems.

**Colourplas 540** should not be premixed with other admixtures and should be batched separately.

### STORAGE

**Colourplas 540** 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 540** 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 540** 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 540** may be used after thawing, slowly at room temperature followed by intensive mixing.

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

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#### Disclaimer

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