

# COLOURPLAS 540

## Block Processing Aid

### 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 the compaction and handling of all dry/semi dry concrete mix processes for blocks, flags, pavers, tiles 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 in Concrete

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

### Properties

Nature	Liquid
Colour	Amber
Specific Gravity	1.05 g/cm <sup>3</sup>
pH	>11.5
Chloride Content	<0.10%
Na <sub>2</sub> 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 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 pre-mixed with other admixtures and should be batched separately.

### Storage

**Colourplas 540** 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 540** 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 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 remixing.

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

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PDS 7294 Rev 03 18/01/2016

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