

# COLOURPLAS INTEGRA

## Block Processing Aid & Waterproofer

### Description

**Colourplas Integra** benefits the CBP production process by improving compaction and the waterproofing properties. **Colourplas Integra** will maintain the consistency of the mix and improve the dispersion characteristics of the pigments present, providing more intense colouration. **Colourplas Integra** effectively reduces the permeability of the concrete units leading to a reduction in the occurrence of both primary and secondary efflorescence.

### Applications

**Colourplas Integra** is used to improve the compaction and handling of all dry/semi dry concrete mix processes for blocks, flags, pavers, tiles and any other dry cast concrete products. The improved mix properties also result in reduced machine stress and parts wear.

### Benefits in Concrete

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

### Properties

Nature	Liquid
Colour	Clear Amber
Specific Gravity	1.02 g/cm <sup>3</sup>
pH	>11.5
Chloride Content	<0.10%
Na <sub>2</sub> O equivalent	<2.00%

### 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 Integra** is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.



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### Compatibility

**Colourplas Integra** is compatible with all types of EN 197 cement systems. **Colourplas Integra** should not be pre-mixed with other admixtures and should be batched separately.

### Storage

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

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

OSCRETE is a division of Christeyns UK Ltd.  
Rutland Street  
Bradford  
West Yorkshire  
BD4 7EA  
United Kingdom

Telephone: +44 (0)1274 393286  
Fax: +44 (0)1274 309143  
e-mail: [info@oscrete.co.uk](mailto:info@oscrete.co.uk)  
Website: [www.oscrete.co.uk](http://www.oscrete.co.uk)

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