

The balanced properties of Colourplas 497 will benefit processing by improving compaction, whilst maintaining the consistency of the mix and improving the dispersion characteristics of pigments present, providing more intense coloration.

Colourplas 497 effectively reduces the permeability of the concrete units leading to a reduction in the occurrence of unsightly efflorescence.

Colourplas 497 is used to improve the compaction and handling of all dry/semi dry concrete mix processes for blocks, pavers, flags, tiles and other concrete products. The improved mix properties also result in reduced machine stress and parts wear.

Colourplas 497 is supplied as a clear dark brown coloured liquid.

Benefits

In semi-dry concrete, use of Colourplas 497 will give:

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

Standards

All Christeyns products are produced in accordance with the ISO 9001:2000 Quality Management Standard and the ISO 14001 Environmental Management Standard.

Addition Rates

Dosage rates will depend upon the mix design, process and raw materials but will typically be in the range of:

0.25 to 0.75 litres per 100 kgs of cement
(0.25 to 0.75 % [v/w] by weight of cement)



COLOURPLAS 497 is a specifically formulated product designed to meet the requirements of the block paving industry and other dry/semi dry block manufacture, by assisting the production process and improving the quality of the finished product.

Dosage rates remain unaffected with the addition of cement replacements such as ggbs and pfa.

Colourplas 497 should be added with or directly after the mixing water.

It is recommended that preliminary trials be carried out to determine the optimum dosage rate.

Typical Properties

Nature

A combination product based upon soluble carboxylic acids, naphthalene sulphonate and carefully selected surfactants.

Appearance

Clear dark brown liquid

Relative Density

1.03 gcm⁻³ at 20°C

Air Entrainment

Less than 1% additional air entrained in dry and semi-dry processes.

Chloride Content:

< 0.1 %

Alkali Content

1.7% as Na₂O equivalent

Storage

Protect from the extremes of temperature.

Colourplas 497 has a minimum shelf life of 12 months from the date of delivery, provided storage temperature is within the range 0°C to 50°C.

Compatibility

Colourplas 497 is suitable for use with all types of cement and cement replacements. All admixtures should be added to the concrete separately and should not be premixed prior to addition.

Handling

Colourplas 497 is a non-hazardous product, but in line with general chemical handling precautions to avoid contact with skin or eyes, protective gloves and goggles should be worn.

Refer to the Material Safety Data Sheet for Colourplas 497 for full details.

Packaging

200 litre drums, 1000 litre IBCs and bulk deliveries.

Disclaimer

The physical properties quoted are typical, and should not be taken as a specification. The information supplied in our literature is based on data and experience and is given in good faith. Our policy is one of continuous research and development and we reserve the right to update this information at any time; customers should therefore ensure they have the latest issue. Whilst we guarantee the consistent high quality of our products, we have no control over the circumstances in which our materials are used, site conditions or the execution of the work and are therefore unable to accept any liability for any loss or damage which may arise as a result thereof. Materials are supplied in accordance with our standard conditions of sale.

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