COLOURPLAS 636

for block paving

OSCRETE 636 COLOURPLAS is a specifically formulated product designed to meet the requirements of the block paving industry and other dry/semi dry concrete block manufacture, by assisting the production process and improving the quality of the finished product.

Application

The balanced properties of 636 Colourplas will benefit processing by improving compaction, whilst maintaining consistency of the mix, improving the dispersal of pigments thereby enhancing colour density and givin reduced permeability of the finished product, leading to a reduction in the occurence of efflorescence.

It is used to improve the compaction and handling of all dry/semi-dry concrete mix processes. It is especially beneficial in the production of block paving, flags, tiles and other concrete products where an enhancement in colour and details are required. The improved mix properties also result in reduced machine stress and parts wear.

Benefits

Colourplas 636 can be used in an automated block production processes to give the following benefits:

- Improved Compaction
- Improved processing
- Better surface finish
- Increase in strength
- Improved colour intensity and stability
- Improved mobility

Standards

Oscrete 636 Colourplas is formulated from a combination of materials and complies with the admixture requirements of BS 6717, Part 1, 1993 - Precast Concrete Paving Blocks.

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

FM/09569

the Sign of Quality

EMS 73529

OSCRETE construction products

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Addition Rates

Usage rates will depend upon the mix design, process and types of materials used but typically, will be in the range of 250 mls to 750 mls per 100 kgs cementitious content. For concrete block paving the typical addition rate would be:

300 mls per 100kgs of cementitious content (0.3% [v/w] by weight of cement).

When pfa or ggbs is used additions rates may have to be increased. It is recommended that trials be carried out to determine the optimum addition rate.

Colourplas 636 should be added during the mixing process just after, or at the same time as the water.

Typical Properties

Nature

A combination product based on soluble carboxylic acids, napthalene sulphonate and surfactants.

Appearance

Amber liquid

Relative Density

1.03 gcm^{-3} at 20°C

Air Entrainment

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

Chloride Content

Nil (to BS5075)

Stability

Avoid freezing

Compatibility

Compatible with all types of Portland Cement

Storage

Protect from extremes of temperature. Colourplas 636 has a minimum shelf life of 1 year under normal conditions of storage.

Handling

Colourplas 636 is a non-hazardous material 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 636 for full details

Packaging

200 litre drums, 1000 litre IBC's and bulk.

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