

BETACAST 170

for **pipes sector**

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Description

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Application

Betacast 170 is suitable for all cement types and offers a wide range of advantages in normal concrete mixes.

Benefits

- Increased resistance to freeze/thaw cycles
- Water reductions of up to 15%
- Improved surface finish
- Reduced segregation and bleeding
- Increases durability of all concrete mixes
- Less shrinkage

Standards

Betacast 170 complies with the requirements of BS EN 934-2 : 2001 Table 2 for Water Reducing / Plasticising admixtures.

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 may vary depending on the mix, aggregate type and the desired properties, and should be determined by site trials.

As a guide, a typical dosage rate of 0.3% to 0.6% on weight of cementitious content will produce an air content of 4% to 6% in concrete mixes.



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construction products

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Betacast 170 should be accurately dosed and added to the mix with or just after the water. It must not be added onto dry cement.

Typical Properties

Nature

Lignosulphonate and surfactants

Appearance

Dark brown liquid

Relative Density

1.15 gcm⁻³ at 20°C

Air Entrainment

Typically between 4% and 6%

Water Soluble Chloride to EN 480-10

Less than 0.005%

Alkali Content to EN 480-12

4.2% as Na₂O equivalent

Corrosion Behaviour

No performance determined

Compatibility

Compatible with all types of Portland cement, ggbs and pfa.

Storage

Protect from extremes of temperature.

Betacast 170 has a minimum shelf life of 12 months provided storage temperature is within the range 0°C - 30°C.

Handling

Betacast 170 is a non-hazardous product but in line with general handling precautions avoid contact with skin or eyes and protective goggles should be worn.

Refer to the Material Safety Data Sheet 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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