

## Description

Optomix 170 is an economical liquid admixture based upon modified lignosulphonate with carefully selected surfactants. It is designed to entrain controlled and stable quantities of air in concrete mixes, whilst providing all the benefits of a normal range water reducing plasticiser.

## Application

Optomix 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

Optomix 170 complies with the requirements of BS EN 934-2 : 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.



Optomix 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<sup>-3</sup> 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 Na<sub>2</sub>O equivalent

### Corrosion Behaviour

No performance determined

### Compatibility

Compatible with all types of Portland cement, ggbs and pfa

## Storage

Protect from extremes of temperature

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

## Handling

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

Refer to the Material Safety Data Sheet for Optomix 170 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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