

Description

Oscrete 904 Superplus is an admixture specifically formulated to increase the workability of concrete mixes whilst reducing the permeability of the concrete and improving the early strength development.

Oscrete 904 Superplus also has excellent efflorescence control properties.

Oscrete 904 Superplus is based upon a blend of a modified lignin plasticiser along with a non chloride accelerating system, and carefully selected solubilised carboxylic acids which form a permanent hydrophobic layer within the concrete pore matrix.

Application

Oscrete 904 Superplus is suitable for all types of Portland Cement. It is particularly effective in wet cast concrete, especially decorative products, with the particular benefits of higher demoulding strengths.

Benefits

The combined action of Oscrete 904 Superplus will allow a water reduction of up to 15% and will reduce the permeability of the concrete by the action of the water repellent present, and produce higher early strengths.

- Higher early and final strengths
- Improved surface finish
- Less shrinkage
- Improved early stripping
- Reduced permeability
- Improved efflorescence control

Standards

Oscrete 904 Superplus complies with the requirements of BS EN 934-2 : Table 3.1 and Table 3.2 for High Range Water Reducing and Superplasticising Admixtures.

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



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Addition Rates

Usage rates will depend upon the type of mix and desired effect, but will depend upon the type of mix and desired effect but typically will be in the range of

0.75% - 1.5% by weight of cement.

Oscrete 904 Superplus should be added neat to the concrete mix, with, or immediately after the mixing water.

Typical Properties**Nature**

A combination product based on lignosulphonate, non chloride accelerator and soluble carboxylic acids.

Appearance

Brown liquid.

Relative Density

1.11 at 20°C

Air Entrainment

Less than 1% additional air entrained

Water Soluble Chloride to EN 480-10

Less than 0.005%.

Alkali Content to EN 480-12

6.4% as Na²O equivalent

Corrosion Behaviour

No performance determined.

Stability

Avoid freezing.

Compatibility

Compatible with all types of Portland Cement and cement replacements.

Storage

Protect from extremes of temperature. Oscrete 904 Superplus has a minimum shelf life of 12 months provided storage temperature is within the range 0°C - 30°C.

Handling

Oscrete 904 Superplus 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 Oscrete 904 Superplus for full details.

Packaging

200 litre drums, 1000 litre containers and bulk

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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