

Description

Osperse SRA is a shrinkage-reducing admixture for use in cementitious systems. Osperse SRA reduces shrinkage in the plastic and hardened mortar. Osperse SRA has no expansive effect but acts chemically to prevent shrinkage by altering conditions relating to shrinkage mechanisms, where reduction of capillary pressure is the most important.

Incorporation of Osperse SRA has resulted in certain mix designs exhibiting a reduction in shrinkage of up to 50%, in early hydration stages and after 28 days.

The risk of cracking is subsequently significantly reduced.

Application

Osperse SRA is suitable for use in dry mortar systems, which are based on ordinary Portland cement (OPC), systems containing high alumina cement (HAC) as well as systems containing a OPC/HAC blend.

Examples of applications for which Osperse SRA is suitable are as follows:

- Self-levelling screeds.
- Non-shrinking grouts.
- Renders.
- Wide joint tile grouts.
- Concrete repair.
- Precast Concrete

Benefits

Osperse SRA is effective in a wide range of applications and will provide the following benefits:

- Significant reduction in plastic shrinkage
- Significant reduction in drying shrinkage
- Quality consistent products.



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 be dependant on the mix design, desired effect and application but typically will be in the range of;

0.5- 5.0% on weight of formulation.
(5.0kg- 50kg per 1000kgs)

Ospere SRA may cause a slight retardation at higher dosages or low temperatures.

Excessive dosage of Ospere SRA will result in retardation of set times.

Typical Properties**Nature**

Diol Compound / Inorganic filler blend

Appearance

White free flowing powder

Bulk Density

Typically 0.54 g/cc

Storage

Ospere SRA has a minimum shelf life of 12 months, in closed containers, from the date of delivery.

The organic component can soften at higher temperatures therefore Ospere SRA should be stored between 10°C and 25°C.

Handling

Ospere SRA is classified as an irritant and should be handled in accordance with general chemical handling precautions avoiding contact with eyes. Protective gloves, goggles and masks should be worn.

Refer to the Material Safety Data Sheet for Ospere SRA for full details.

Packaging

30kg returnable drums, 540kg per pallet.

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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