

Description

Tegla SP is a liquid admixture based on high molecular weight polymers.

Tegla SP significantly increases the workability of concrete roof tile mixes by its powerful deflocculating and dispersing effect upon the cement and fine particles. Water addition can be reduced by 20 - 30%.

Benefits

- The powerful plasticising properties increase workability, giving concrete mixes which are more suited to roof tile manufacture.
- Mixes are easier slipped, resulting in better finish with less variable texture.
- Better compaction is achieved in extruded tiles.
- Increased early strength results in less damage from depalleting, banding and handling.
- Increased compressive, tensile and flexural strength.
- Reduced water content and better compaction results in lower porosity.

Application

Tegla SP is suitable for all cement types and cement replacements.

Standards

Tegla SP 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.



Addition Rates

Usage rates vary widely depending upon the concrete mix and the desired effect. Typically, a range of 0.5 - 1.2% by weight of cement is employed for concrete mixes.

Tegla SP should be added to the mix during the cycle at the same time as the water or the aggregates. **Never add Tegla SP to the dry cement.**

Typical Properties**Nature**

Sulphonated naphthalene formaldehyde condensate

Appearance

Dark brown liquid

Relative Density

1.21 gcm⁻³ at 20°C

Air Entrainment

Less than 2% additional air entrained

Water Soluble Chloride to EN 480-10

Less than 0.005%

Alkali Content to EN 480-12

5.4% as Na₂O equivalent

Corrosion Behaviour

No performance determined

Compatibility

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

Storage

Tegla SP has a minimum shelf life of 1 year under normal conditions of storage. Protect from extremes of temperature. Tegla SP should be stored at temperatures greater than 13°C.

Avoid freezing. At 0°C it can be reconstituted if stirred after thawing; however, some crystallisation may take place.

Handling

Tegla SP 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 Tegla SP 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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