

TEGLA 303

Water Resisting Admixture

Description

Tegla 303 is an admixture specially formulated to reduce the permeability of low workability concrete mixes, such as used in the concrete roof tile industry. **Tegla 303** has excellent plasticising and efflorescence control properties. **Tegla 303** is based on carefully selected blends of long chain fatty acids which form a permanent hydrophobic layer at the air/concrete interfaces within the concrete pore matrix.

Applications

Tegla 303 has been designed for concrete roof tile production where durable strong concrete is required, **Tegla 303** can also be used in most dry/semi-dry processes.

Benefits in Concrete

- Improved efflorescence control
- Increased compaction
- Increased strengths
- Increased production
- Lower porosity
- Reduced equipment wear

Properties

Nature	Liquid
Colour	Light Amber
Specific Gravity	1.00g/cm ³
pH	>11.5
Chloride Content	<0.10%
Na ₂ O equivalent	<1.50%

Addition Rates

Dosage rates vary dependant on mix design, process, aggregate type and the desired effect but typically:

250mls - 500 mls per 100 kg cement
(0.25% - 0.50% by weight of cement)

The correct dosage for the material package used should be determined by laboratory trials, please contact the OSCRETE Technical department for further advice.

Standards

Tegla 303 conforms to the requirements of BSEN 934-2 and is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.



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Compatibility

Tegla 303 is compatible with all types of EN 197 cement systems.

Tegla 303 should not be pre-mixed with other admixtures and should be batched separately.

Storage

Tegla 303 should be stored undercover and protected from extreme temperatures, if stored unopened within the range 5°C and 30°C the product will have a minimum shelf life of 12 months.

Handling

Please refer to the **Tegla 303** Material Safety Data Sheet but in line with normal handling procedures, personal protective equipment should be worn.

Packaging

200 litre drums, 1000 litre IBCs and bulk deliveries.

Notes

Tegla 303 should be added with the water or at the end of the mixing process and not directly onto the cement. A mixing time of at least 30 seconds is recommended after the addition of the admixture.

If frozen **Tegla 303** may be used after thawing slowly at room temperature followed by intensive remixing.

Please consult the OSCRETE Technical Department for advice on admixture selection.

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Disclaimer

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