

OPTIMIZE X-TEND 800

High Range Consistence Retention Superplasticiser

PRODUCT DESCRIPTION

Optimize X-Tend 800 is a new generation consistence retention superplasticiser based on modified synthetic carboxylated polymer and carefully selected synergised materials formulated to provide optimum performance in all classes of concrete. **Optimize X-Tend 800** if used correctly can achieve water reductions ~20% whilst minimising workability loss.

APPLICATIONS

Optimize X-Tend 800 is particularly suitable for concrete that has to be travelled, i.e. wind farms, long radials or anywhere extended consistence is required. The use of **Optimize X-Tend 800** in difficult or complicated aggregate combinations and cement blends can be highly beneficial.

BENEFITS

- Very high workability retention.
- Increased early and final strengths.
- Good workability retention.
- Low water/cement ratios.
- Cost effective.
- Flexible addition rates.

PROPERTIES

Nature:	Liquid
Appearance:	Light Amber
Specific Gravity: (20°C)	1.04 g/cm ³
pH:	6.00
Chloride Content:	< 0.10
Alkali Content (Na ₂ O):	< 1.00

ADDITION RATES

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

400mls - 2000mls per 100 kg cement
(0.40% - 2.00% 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

Optimize X-Tend 800 complies with the requirements of BS EN 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

Optimize X-Tend 800 is compatible with all types of EN197 cement systems.

Optimize X-Tend 800 should not be pre-mixed with other admixtures and should be batched separately.

STORAGE

Optimize X-Tend 800 should be stored undercover and protected from extreme temperatures, if stored between the range 5°C to 30°C the product will have a minimum shelf life of 12 months.

HANDLING

Please refer to the **Optimize X-Tend 800** material safety data sheet but in line with normal handling procedures, personal protective equipment should be worn.

Refer to the Material Safety Data Sheet for full details.

PACKAGING

200 litre drums, 1000 litre IBC's and bulk deliveries.

NOTES

Optimize X-Tend 800 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 **Optimize X-Tend 800** may be used after thawing slowly at room temperature followed by intensive remixing.

Please consult the OSCRETE technical department for advice on admixture selection.

OSCRETE is a division of Christeyns UK Ltd
Rutland Street
Bradford
West Yorkshire
BD4 7EA
United Kingdom

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.

Telephone: +44 (0)1274 393286
Fax: +44 (0)1274 309143
E-mail: info@oscrete.com
Website: www.oscrete.com

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