

# OPTIMIZE X-TEND 850

## High Range Consistence Retention Superplasticiser

### PRODUCT DESCRIPTION

**Optimize X-Tend 850** 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 850** if used correctly can achieve water reductions above 20% whilst minimising workability loss.

### APPLICATIONS

**Optimize X-Tend 850** is particularly suitable for all concretes, precast, ready-mix, flowing screeds and anywhere water reduction and slump retention are essential. The use of **Optimize X-Tend 850** in difficult or complicated aggregate combinations and cement blends can be highly beneficial.

### BENEFITS

- Increased strengths.
- Good workability retention.
- Low water/cement ratios.
- Cost effective.
- Flexible addition rates.

### PROPERTIES

Nature:	Liquid
Appearance:	Clear
Specific Gravity: (20°C)	1.04 g/cm <sup>3</sup>
pH:	6.00
Chloride Content:	< 0.10
Alkali Content (Na <sub>2</sub> 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 850** 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 850** is compatible with all types of EN197 cement systems.

**Optimize X-Tend 850** should not be pre-mixed with other admixtures and should be batched separately.

### STORAGE

**Optimize X-Tend 850** 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 850** 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 850** 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 850** 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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