

# OPTIMIZE X-TEND 820

## High Range Consistence Retention Superplasticiser

### PRODUCT DESCRIPTION

**Optimize X-Tend 820** 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 820** if used correctly can achieve water reductions above 20% whilst minimising workability loss.

### APPLICATIONS

**Optimize X-Tend 820** is particularly suitable for structural precast, piling and pumping where water reduction and slump retention are essential. The use of **Optimize X-Tend 820** in difficult or complicated aggregate combinations and cement blends can be highly beneficial.

### BENEFITS

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

### PROPERTIES

Nature:	Liquid
Appearance:	Clear
Specific Gravity: (20°C)	1.06 g/cm <sup>3</sup>
pH:	6.00
Chloride Content:	< 0.10
Alkali Content (Na <sub>2</sub> O):	< 1.00
Sulphate Content (SO <sub>3</sub> )	0.10

### 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 820** 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.



# OPTIMIZE X-TEND 820

## High Range Consistence Retention Superplasticiser

### COMPATIBILITY

**Optimize X-Tend 820** is compatible with all types of EN197 cement systems.

**Optimize X-Tend 820** should not be pre-mixed with other admixtures and should be batched separately.

### STORAGE

**Optimize X-Tend 820** 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 820** 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 820** 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 820** 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 UK Limited  
Rutland Street  
Bradford  
West Yorkshire  
BD4 7EA  
United Kingdom

Telephone: +44 (0)1274 086299  
E-mail: [technical@oscrete.com](mailto:technical@oscrete.com)  
Website: [www.oscrete.com](http://www.oscrete.com)

PDS 8216 Rev 03 02/01/2024

#### 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.

