

## CHRYSO® Premia 540

High range water reducing Super plasticizing admixture

### DESCRIPTION

CHRYSO® Premia 540 is a new generation superplasticiser – high range water reducer, based on modified polycarboxylate.

CHRYSO® Premia 540 is particularly recommended for concrete requiring high short and long-term compressive strengths.

CHRYSO® Premia 540 enables very low W/C ratios to be produced in the concrete.

CHRYSO® Premia 540 gives fresh concrete dynamic properties that improve formwork filling.

Thanks to its short-term performances, CHRYSO® Premia 540 allows whether to reduce the time before demoulding or to save energy by decreasing temperature or time of steam curing.

### FIELDS OF APPLICATION

#### Types of Application

- Heavy prefabrication
- HPC, VHPC and UHPC
- Pre-stressed concrete
- Plastic to fluid concretes
- Self-compacting concrete

#### Compatibility with Cements

- All types of cement

### INDICATIVE INFORMATION

Product Nature	liquid
Color	Yellow to light brown
Lifetime	12 months
Halogen Dry Extract	32,00 % ± 2,00
Cl <sup>-</sup> Ions content	≤ 0,010 %
Equivalent Content NA <sub>2</sub> O	≤ 0,10 %
Specific gravity	1,065 ± 0,010
pH	4,00 ± 1,00

### PACKAGING

- 20 L bucket
- 215 L Barrel
- Container of 1000L

### METHOD OF USE

#### Dosage :

0.3 to 3.0 kg for 100 kg of cement.

- A 1.0% dosage of the product of the weight of cement is commonly used.
- It is preferable to add CHRYSO® Premia 540 to the water before mixing the concrete. However, it can be added afterwards.

### PRECAUTIONS

- Avoid prolonged exposure to high temperatures.
- Store CHRYSO® Premia 540 away from frost, at a temperature above 0°C.
- Should the product freeze, it keeps its properties.
- After thawing, it is necessary to agitate thoroughly until complete recovery of a homogeneous product.

### NORMATIVE AND REGULATORY INFORMATION

- This product conforms to UKCA and CE marking.

### SAFETY

CHRYSO® Premia 540 is a product classified as "harmless". It is recommended to wear normal protective equipment.

For further information, please refer to the safety data sheet on our internet site [www.uk.chryso.com](http://www.uk.chryso.com).