TECHNICAL DATA SHEET

CHRYSO[®] Premia 540

High range water reducing Super plasticizing admixture

Chryso Concrete Solutions

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 [−] lons content	≤ 0,010 %
Equivalent Content NA ₂ O	≤ 0,10 %
Specific gravity	1,065 ± 0,010
рН	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.

The information contained in this document is given to the best of our knowledge and is the result of extensive and controlled t esting. However, it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be con ducted before the product is used to ensure that the methods and conditions of use of the product are satisfactory. Our specialists remain at the disposal of customers if they require help with the application of the product for their specific needs www.chryso.uk

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