

Chryso® Optima 1337

Water reducing Plasticizing admixture

DESCRIPTION

Chryso® Optima 1337 is a new-generation water-reducing plasticiser based on modified polycarboxylate technology. Its specifically designed molecular structure enables the production of **low-viscosity concrete with long workability retention**.

Chryso® Optima 1337 allows concrete to be produced across all levels of consistence while maintaining extended workability retention and achieving water/cement ratio reduction. These characteristics make it particularly well suited to **pumped concrete over long distances** and ready-mix concrete applications.

BENEFITS

- Increased consistence retention for transport.
- Excellent homogeneity for pumping.
- Low viscosity rheology.
- Improved compaction.
- Increased concrete strengths.
- Cement optimisation without strength loss.
- Robustness and tolerance to water addition.

FIELDS OF APPLICATION

Types of application

- All types of cement
- Hot weather concreting
- Pumped concrete
- Extended workability retention
- Concrete for highly reinforced structures
- High performance concrete / Very high performance concrete
- Pre-stressed concrete

Compatibility with Cements

- All types of cement
- Pulverised fuel ash
- Ground granulated blastfurnace slag

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Brown
Lifetime	12 months
Halogen Dry Extract	35,00 % ± 1,60
Cl ⁻ ions content	≤ 0,100 %
Equivalent Content Na ₂ O	≤ 1,00 %

METHOD OF USE

Dosage :

Typical dosage range: **0.3 – 1.2 kg per 100 kg of cement**

- A dosage of **1.0% by weight of cement** is commonly used
- Chryso® Optima 1337 is completely miscible in water and must be added with the **mixing water**

The optimum dosage must be established through trial mixes, taking into account local materials, site conditions, and required mechanical performance.

PRECAUTIONS

- Protect from frost.
- Should the product freeze, it will recover its properties. After thawing, an efficient agitation is necessary until the product is entirely homogeneous again.
- Avoid prolonged exposure to high temperatures.

NORMATIVE AND REGULATORY INFORMATION

- This product conforms to UKCA and CE marking.
- This product is a water reducing plasticiser.
- This product conforms to BS EN934-2 Table 2 certification, which technical specifications are those applied in the non-harmonised part of the BS EN 934-2.

SAFETY

Chryso® Optima 1337 is classified as **harmless**.

Normal personal protective equipment is recommended. For further information, refer to the relevant **Safety Data Sheet**.

For further information, please refer to the safety data sheet on our internet site www.uk.chryso.com.

TECHNICAL DATA SHEET



Chryso
Concrete
Solutions

03/09/2026

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Specific gravity	1,095 ± 0,020
pH	4,00 ± 1,00

PACKAGING

- 20L Container
- Container of 1000L
- Bulk delivery on request

The information contained in this document is given to the best of our knowledge and is the result of extensive and controlled testing. However, it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be conducted 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.

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