TECHNICAL DATA SHEET

Chryso Concrete Solutions

10/07/2026

EnviroMix® 2432

New Generation, high range water reducing/ superplasticizing admixture

DESCRIPTIF

EnviroMix® 2432 is a new-generation, high-range water-reducing superplasticiser based on **modified polycarboxylate technology**, engineered specifically to support the production of **low-carbon ready-mix concrete**. It delivers **significant water reduction** and/or **major workability enhancement**, enabling durable concrete with **extended workability retention** *without delaying setting time*.

The admixture is compatible with most cement types. When used with specific hydration catalysts, EnviroMix® 2432 can achieve **high early strengths**, even in concrete with high proportions of supplementary cementitious materials such as **blast furnace slag**.

BÉNÉFICES

- Supports **low-carbon concrete** production
- Enables **high water reduction** and increased workability
- Provides **extended workability retention** without set delay
- Achieves **high early-age strengths**, even with SCMs (e.g., GGBS)
- Improves **rheological performance** and consistency
- Ideal for **Green Environmental Performance (GEP)** concrete
- Enhances durability and concrete performance across varied mixes
- Compatible with modern low-carbon mix designs and high-performance ready-mix operations

DOMAINES D'APPLICATION

- Low-carbon concrete
- GEP-aligned concrete mixes
- Ready-mix concrete requiring extended workability
- Durable, high-performance concrete

INFORMATIONS INDICATIVES

Product Nature	Liquid
Color (COL)	Brown
Lifetime	12 month
Chloride Ions	≤ 0,100 %
Equivalent Content NA_2O	≤ 2,00 %
Density	1,220 ± 0,020
pH	3,70 ± 1,00
Dry extract	39,20 % ± 2,00

MODE D'EMPLOI

- Should the product be added to fresh concrete, into the mixing truck, it is necessary to mix at high speed, and then at low speed (with a minimum of 3 minutes, at each speed).
- This product must be added at the end of mixing, in which case, extra mixing time is required.

For correct use and maximum efficiency:

- When added into a **mixing truck**, mix at **high speed**, then **low speed**, for **minimum 3 minutes each**.
- If added **at the end of mixing**, additional mixing time is required.
- Optimum performance must be validated by testing (rheology, strength, industrial behaviour).
- The maximum effectiveness of this product should be determined through tests that consider rheological properties, mechanical performance, and the industrial process.
- This product is **compatible with any Chryso® admixtures**.

PRÉCAUTIONS

- 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 heat.

INFORMATIONS NORMATIVES ET RÉGLEMENTAIRES

- **UKCA** and **CE marked**
- Conforms to **BS EN 934-2,** High-range water-reducing / superplasticising admixture classification.

SÉCURITÉ

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 controlle d 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.

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