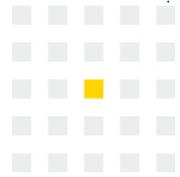# CHRYSO® Alpha 117

Dry Cast Process performance enhancer

Description

CHRYSO®Alpha 117 has been specifically designed for low to zero slump concrete (dry cast). Its unique formulation increases the robustness of concrete in regards to moisture content whilst allowing for superior compaction.

Advantages

- CHRYSO®Alpha 117 allows for water content optimisation without fresh concrete deformation leading to better strengths: Industrial trials have evidenced up to 15% strengths gain at 2 and 5 days.
- Associated with optimized moisture content CHRYSO®Alpha 117 allows for reduced cycle time, superior finish, strengths and overall performance consistency.
- CHRYSO®Alpha 117 enables cementitious content optimisation.

Application Guidelines

Use

- All types of cement
- Blocks production
- Paving blocks production
- Zero slump concrete

Dosage

- Typical dosage: between 0.2 and 0.8 kg for 100 kg of cement.
- The optimum dosage of CHRYSO®Alpha 117 should be established using trial tests, taking into account local condiions and local materials affecting the workability of the fresh mix, as well as the mechanical properties required of the concrete.

Physical and chemical properties

- Nature: liquid
- Colour: light yellow
- Density: 1.00 ± 0.02
- pH: 9.5 ± 1.5
- Cl⁻ions content: $\leq 0.10\%$
- Na_2O equivalent: $\leq 1.0\%\%$

Dispensing/Mixing

- CHRYSO®Alpha 117 is completely miscible in water and should be preferably added to the mixing water or directly in the mixer along with the tail water. The water content must be determined according to the workability & compressive strengths required.

Storage/Precautions

- CHRYSO®Alpha 117 should be stored away from rain or frost, in clean dry tanks.
- CHRYSO®Alpha 117 has a shelf life of 12 months from date of manufacture, provided no chemicals are added to it.

Packaging

- 25ℓ jerrycan
- 200ℓ blopak
- 1000ℓ flobin
- Bulk tanker
- Delivery on request

Health and Safety

- This product is classified as harmless.
- Refer to the Material Safety Datasheet for more information

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