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PRODUCT INFORMATION

## CEMWET-ACC FORTE

Hardening accelerating admixture for concrete

### DESCRIPTION

**CEMWET- ACC FORTE** is an engineered suspension of crystal seeds containing nanoparticles, designed to boost the hydration process of early age cement (6-12 hrs). Based on unique technology, the growth of the essential ettringite crystals is strongly accelerated.

It promotes concrete hardening at low, ambient and even heat curing temperatures. Unlike traditional acceleration methods - early strength development is accelerated while the final microstructure benefits from equivalent or improved properties.

### CRYSTAL SPEED HARDENING :

**CEMWET- ACC FORTE** is based on Crystal Speed Hardening concept. This crystal seeding technology improves.

- Efficient Processes
- Energy Reduction
- Material Optimization
- High Quality Specifications

### ADVANTAGES

**CEMWET- ACC FORTE** offers the following benefits:

- Early strength acceleration at low, ambient and heat curing temperatures
- Flexible adjustment of production capacities
- Increased production cycles (double, triple rotation)
- Better use of formwork by earlier demoulding
- Reduction/elimination of heat curing
- Allows use of minimum required cement quantities
- Allows binder optimization by using lower grade, less clinker-containing cements or by increasing use of supplementary cementitious materials (Limestone, Fly Ash, Slag)
- Lower risk of delayed ettringite formation
- Reduced water absorption
- Improved concrete durability aspects

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## APPLICATION

1. **CEMWET -ACC FORTE** is suitable for all type of concrete
2. Structural precast elements where high early strength is a key factor
3. It replaces heat curing method.
4. Promotes hydration with pozzolana cements

## DOSAGE

The normally recommended dosage rate of **CEMWET-ACC FORTE** is approximately :

- *By Weight* - 0.50 to 5.00 kg per 100 kg of cement (binder) content.

The dosage rates given above are for typical usages, they are not meant as absolute limits, as other dosages may be utilised in special cases according to specific job conditions.

## TYPICAL PROPERTIES

Colour	: White Liquid
Specific Gravity	: $1.13 \pm 0.03$
pH	: $11.0 \pm 1$
Chloride Content %	: $\leq 0.10$ by mass
Setting time - Initial	: $\leq 60\%$ of reference mix

## MIXING

**CEMWET-ACC FORTE** is a ready-to-use liquid admixture to be added to the concrete during the mixing process. Enough mixing time to secure homogeneous dispersion should be provided.

## COMPATIBILITY

**CEMWET-ACC FORTE** can be used with all types of Cements.

**CEMWET-ACC FORTE** should not be pre-mixed with other admixtures. If other admixtures are to be used in concrete containing **CEMWET-ACC FORTE** they must be dispensed separately.

**CEMWET-ACC FORTE** is compatible with CEMWET SP-3000 PCE-1, 2 & 3 High Performance Superplasticizer for self compacting concrete.

**PACKAGING** : **CEMWET-ACC FORTE** is supplied in 220Kg HDPE drums

N.B. : This information is given in good faith, is based on results gained from experiences and tests. However, all recommendations or suggestion are made without guarantee since the conditions of use are beyond our control.

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