

PRIMER PC H 105

Set retarding/high range water reducing/superplasticizing admixture CYS EN 934-2:2009+A1:2012 (Table 11.1 & 11.2)

Product Description

PRIMER PC H 105 is high range Super plasticizer admixture with a unique formulation designed specifically for the use with hydraulic binders. **PRIMER PC H 105** has a strong dispersant action with the finer elements of concrete. This formulation enables **PRIMER PC H 105** to enhance the concrete workability and its mechanical strength properties. The small amount of retarder slows down the initial hydration process of the cement, but not to the extent that is significantly impact the overall hardening timeline. **PRIMER PC H 105** will not initiate or contribute to corrosion on steel reinforcement present in the concrete.



Dosage

- Optimum dosage of **PRIMER PC H 105** should be determined in trial mixes
- As a guide, the following dosages are recommended as a starting point for any trial: In normal concrete, a dosage of between 0.25 – 2 %by weight of cement

Package

1000 lt.

Product Advantages

- Optimizes cement utilization
- High density and impermeable concrete through very high-water reduction.
- Substantial improvement in workability without increase of w/c ratio
- Workability retention
- Improved durability
- Improves shrinkage and creep behaviors
- Contains small amount of retarder
- Improved resistance to wear and abrasion
- Lower pumping pressure
- High early and long term strengths

Overdosing

If accidental overdosing occurs it can lead to:

- Increase in workability
- Initial and final set retarding
- Segregation

Setting Time

The setting time is dependent on the dosage of **PRIMER PC H 105**, the following factors should be considered:

- Lower temperatures will delay the setting time.
- SRC cement gives higher retardation level than ordinary cement.
- Using more than one type of admixture in the same concrete mix could affect the setting time.

Technical Data

Density	1.05 ± 0.02
Chloride content	Chloride free
PH	7 ± 2
Freezing Point	0 °C
Recommended	Dosage rates are dependent on the type of cement & aggregates, W/C ratio and ambient temperature. In many cases it is advisable to carry out trial mixes.

Product Data

Composition	Modified Synthetic polymers
Appearance	Amaranth
Storage condition	Store in a dry area between 5°C and 35°C. Protect from direct sunlight.
Shelf Life	12 months minimum from production date if stored properly in original unopened packaging.

Safety Instructions

The product may cause skin irritation. Wear gloves and goggles and apply barrier cream to your hands. In contact with eyes or mucous membrane, rinse immediately with plenty of warm water and seek medical attention without delay.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

The user of the product must test the product's suitability for the intended application and purpose. Primer Cy LTD reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. It may be necessary to adapt the above disclaimer to specific local laws and regulations.

For any Further Technical Information including SDS, CE LABELS and CERTIFICATES OF CONFORMITY don't hesitate to contact our QA/QC Department. We remain at your disposal.

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