

PRIMER R 116

Set retarding admixture CYS EN934-2:2009+A1:2012
(Table 8)

Product Description

PRIMER R 116 has little or no effect other than to delay the setting of the cement. These admixtures slow down the hydration process and also efficient plasticizing water-reducers. **PRIMER R 116** used to give workability retention to the concrete, delay the setting time and increase initial workability. **PRIMER R 116** used to slow down the speed of the reaction between cement and water by affecting the growth of the hydration products and/or reducing the rate of water penetration to the cement particles.



Dosage

- Optimum dosage of **PRIMER R 116** should be determined in trial mixes.
- Dosage is between 0.15-1 lt / 50 kg of cement, including any pozzolanic materials and cement replacement.
- The actual dosage rates are dependent on the cement rate in mix design, quality of cement and aggregates, W/C ratio and ambient temperature.
- Please consult Technical Services Department for further information.

Package

1000 lt.

Product Advantages

- Admixture is good for concrete which has to be hauled long distances in transit mix trucks. Retarding admixtures extend the setting time of concrete and maintain the workability and cohesion for extended period of time.
- In the large construction projects, concrete retarder prevents cold joints formation in successive lifts and make concrete workable throughout the concrete placing.
- With the use of concrete retarders, you can compensate for the accelerating effect of high temperature towards the initial setting time and minimise risks of long-distance delivery in hot weather.
- Use of retarding admixtures improves pumpability of concrete by delayed setting period and improved workability of concrete.
- Concrete retarders help to reduce segregation and bleeding in concrete in which poor sand grading is unavoidable.
- It improves the workability of concrete.
- The appearance of the concrete is greatly improved.
- Drying shrinkage and creep rate are also increased.
- Keep the concrete workable.



Overdosing

If accidental overdosing occurs it can lead to:

- Increase in workability
- Initial and final setting retarding

Setting Time

The setting time is dependent on the dosage of **PRIMER R 116**, the following factors should be considered:

- Concrete Retarders produce a more uniform and predictable quality concrete. Since this admixture retards setting time it also facilitates placing and finishing requirements. Typical Retarders start at 1 hour and can go up to 4 hours. Longer retarding set times are also possible. Lower temperature will delay the setting time.
- Increased retardation.
- 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	1.10 ± 0.02
Chloride content	Chloride free
PH	7 ± 2
Freezing Point	0 °C
Recommended Dosage	0.15-1 lt / 50 kg of cement.

Product Data

Composition	Modified Synthetic polymers
Appearance	Brown Liquid
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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