

Surface Retarder

Product Data Sheet



Grandtard FDR100

General Purpose Retarder for Face Down Casting

Product Description

GRANDTARD FDR100 is a specially formulated chemical retarder to provide a simple economical method of exposing aggregates which will not be removed from the form during placing of the concrete. As the concrete cures, the action of GRANDTARD FDR100 is to retard the setting of the cement in the surface matrix of the concrete.

Customer Benefits

- Easy to use
- Economical
- All purpose retarder for the majority of casting conditions
- May be used on steel, fiberglass, concrete or timber work

Areas of Application

Principal applications are on:

- Precast concrete panels

Application Procedures

Preparation

Formwork should be non-porous for best results. Porous timber formwork should be coated with suitable polyurethane sealer.

Formwork and moulds must be clean and dry before application.

Application

GRANDTARD FDR100 should be well-mixed before use.

Apply GRANDTARD FDR100 in a thin, uniform manner by brush, spray or roller. The surface retarder should be dry prior to placing concrete.

Concrete Placing

GRANDTARD FDR100 may be applied up to 24 hours in advance of a concrete pour.

Once vibration is complete, it should not be disturbed to avoid interference with the retarder penetration of the surface layer.

Removal of retarded layer

When the panel is lifted or forms removed, the retarded surface is easily dry-brushed or water washed to expose aggregates.

Site Trials

Trials are best carried out by personnel who will be involved in the project. Trials and samples duplicating actual production conditions are essential in determining the effects of the surface retarder.

Surface Retarder

Packaging	GRANDTARD FDR100 is available in 20 liter container and 200 liter drum.
Coverage	Use GRANDTARDFDR100 at the rate of 5.0 m ² /liter.
Storage	GRANDTARD FDR100 has a minimum shelf life of 12 months when stored in the original unopened containers under normal warehouse conditions.
Health and Safety	Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice.
Fire	GRANDTARD FDR100 is non-flammable.

Important Note

The information contained in this leaflet is published to the best of our knowledge and is supposed by current available data. Hence, subject to the care and method of application, deviations (from published values) in performance may occur. Our guarantee is therefore limited to the quantity of the supplied material.

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