# Talrak® SR

## Water based surface retarder for concrete

*The Construction Alchemists*

### Description

Talrak® SR is a surface retarder designed to attain exposed aggregate poured in face-up or face-down precast and cast-in-situ concrete elements. Talrak® SR delays the matrix hydration of cement at the surface region of the concrete.

The rate of application of Talrak® SR depends on the depth of retardation desired from 2 to 5 mm of the concrete from the surface.

### Features & Benefits

- The resultant surface gives good mechanical bonding between delayed concrete pours.
- Helps for decorative purpose where colored aggregates needs to exposed.
- Easy and economical application.
- Can be used on timber, steel and glass form works.

### Primary Application

Surface retarder for producing exposed aggregate concrete finish in face-up and face-down precast and cast-in-situ concrete elements. Also helpful for creating mechanical key on the old concrete for enhancing construction joint effectiveness.

### Application instructions

It is recommended that timber formworks should be coated with Talrak range of form release agents before application of Talrak® SR. Formworks and moulds must be clean and dry before application. Alternatively 2 coats of Talrak® SR on saturated surfaces must be applied for effective performance on timber form work. However, for the steel formwork, no additional form release agent is required.

Talrak® SR must be applied in one even coat using a spray, brush or roller. The material should be stirred well before use.

Before concrete is placed in moulds, the surface retarder should be dry. This typically takes 15 to 60 minutes depending on ambient conditions. Immediately after the concrete moulds are stripped, the retarded surface of the concrete can be exposed either by brushing and / or water jetting.

The product can also be sprayed directly on freshly laid concrete surface, immediately after evaporation of surface/bleeding water. Time of application is critical.

Water washing should be carried out using a high pressure water jet at 5 - 10MPa pressure. A wire brush shall be used to brush off the loose material.

To bring out the full colour of the aggregate for decorative finishes, the concrete face shall be washed with Talrak's cleaning products.

A pre-use trial is recommended before using the product in the projects

### Estimating
### Packaging

Talrak® SR is supplied in 5,20 and 200ltr barrel.

### Coverage

Achieves 7.5 - 10$m^2$ per liter depending on the surface characteristics of the form work .

### Storage

Talrak® SR has a shelf life of 6 months if kept in dry store in original, unopened containers. If stored at high temperature and/or high humidity conditions the shelf life may be reduced.

### Precautions
### Health & Safety instructions

Contact with the skin should be avoided as certain sensitive skins may be affected. In such cases the skin should be washed immediately with soap and water-not solvent. Gloves and goggles should be used when handling these products. Eye contamination must be immediately washed with plenty of water and medical treatment sought.

**Talrak Construction Chemicals Pvt. Ltd.**

An ISO 9001:2015 Certified Company

**Works:**
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