

# NOVATECH SR

## Water-based Surface Retarder for Concrete

### Description

**Novatech SR** is designed to provide a simple, economical method of exposing aggregates in freshly poured face-up and face-down precast concrete panels or slabs. **Novatech SR** retards the hydration of cement at the surface matrix of the concrete.

### Uses

Surface retarder for producing exposed aggregate concrete finish in face-up and face-down precast concrete manufacture.

### Advantages

- ✓ Economical in application
- ✓ Simply applied, straight from the container
- ✓ Need not use a mould release agent
- ✓ Good results with heat curing and high temperature concreting
- ✓ Can be used on steel, glass fibre or timber formwork
- ✓ Non-toxic and non-flammable

### Depth of Exposure

Depending on the rate of application, the depth of exposure can be 4 mm to 10 mm on the concrete surface.

### Application Instructions

Timber formwork should be sealed with Nodal 400 E, shutter paint, to avoid absorption of **Novatech SR**. Formworks and moulds must be clean and dry before application. Alternatively, 2 coats of **Novatech SR** on absorbing surfaces should be given for effective performance. **Novatech 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 washing.

Water washing should be carried out using a high-pressure water jet at 5 to 10 N/mm<sup>2</sup> 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 diluted Mascleaner, multipurpose cleaning agent.

### Cleaning

All tools and equipment shall be cleaned with water immediately after use.

### Packaging

**Novatech SR** surface retarder is supplied in 5 kg, 20 kg and 200 kg HDPE containers.

### Coverage

8 m<sup>2</sup> to 12 m<sup>2</sup>/kg.

### Shelf Life & Storage

**Novatech SR** has a shelf life of 12 months under normal warehouse storage conditions.

**Novatech SR** should be protected from frost. If the material becomes frozen, it should be completely thawed and then thoroughly mixed before use.

### Health & Safety Instructions

**Novatech SR** is essentially non-toxic unless ingested in large quantities. Skin and eye contamination may be removed by washing with water. In cases of severe eye contact or significant ingestion, medical advice should be sought immediately.

Before use, refer to the Material Safety Data Sheet (MSDS). The MSDS is available on [www.ccichemicals.in](http://www.ccichemicals.in) or contact us at [info@ccichemicals.in](mailto:info@ccichemicals.in).

### Fire

**Novatech SR** is non-flammable.

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