

Water-based surface retarder for 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.

Description

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

Depth of Exposure

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

Technical support

The company provides a technical advisory service supported by a team of specialists in the field.

Application instructions

Timber formwork should be sealed with Reebol Formcote, shutter paint, to avoid absorption of Conplast SR Blue. Formworks and moulds must be clean and dry before application. Alternatively 2 coats of Conplast SR Blue on absorbing surfaces should be given for effective performance.

Conplast SR Blue must be applied in one even coat using a spray, brush or roller. Coverage rate is 8 - 12 m² / litre.

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 - 10 N/mm² 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 dilute Reebaklens, multipurpose cleaning agent.

Cleaning

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

Estimating

Packaging

Conplast SR Blue surface retarder is supplied in 5, 20 and 200 litre containers.

Coverage

8 - 12 m² / litre

Storage

Conplast SR Blue has a shelf life of 12 months under normal warehouse storage conditions.

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

Conplast® SR Blue

Precautions

Health and safety instructions

Conplast SR Blue is essentially non-toxic unless ingested in large quantities.

Skin and eye contamination may be removed by washing with water. If eye contact is severe or significant ingestion occurs medical advice should be sought immediately.

Fire

Conplast SR Blue is non-flammable.

Additional Information

The Fosroc range of associated products includes high strength cementitious and epoxy grouts, admixtures, curing compounds, release agents, flooring systems, repair mortars, protective coatings, sealants and water proofing.

Separate data sheets are available on these products.