

Formcoat GSR

Water based surface retarding gel for concrete



Description

Formcoat GSR is a ready for use, water based. Single component, concrete gel surface retarder..

Applications

Formcoat GSR is used to produce an exposed aggregate concrete finish and to produce mechanically good construction joint. Formcoat GSR is ideally designed for use in either face up or face down concrete elements in the following applications:

- ▲ All types of cast in situ concrete elements.
- ▲ Pre-cast concrete elements.
- ▲ Construction and Contraction joints.

Advantages

- ▲ Single component, easy to apply.
- ▲ Suitable for all types of concrete elements, shapes and strengths.
- ▲ No independent release agent required.
- ▲ Can be used for both face up and face down applications.

Method of Use

Surface Preparation

Formwork must be non-porous and cleaned of surface deposits, rust, concrete, oil or other materials. Porous timber and formwork should be coated with suitable polyurethane sealer.

Application

- ▲ Formcoat GSR should be mixed well before use by suitable mechanical mixer.
- ▲ Formcoat GSR can be applied using brush, spray or roller at a rate of 0.1 - 0.2 litre/m² per coat. One coat is normally needed.
- ▲ To obtain face down finish, Formcoat GSR shall be applied and left for 20 - 25 minutes to reach a complete dryness before placing concrete. However, touch dry time varies depending upon ambient temperature.
- ▲ To obtain face up applications, immediately after final finishing of concrete surfaces and whilst the concrete is still wet, Formcoat GSR should be spray applied at the rate of 0.15 - 0.25 litre/m².

Technical Properties:

Appearance:	Green liquid
Specific gravity:	1.135
pH:	8.02
Solid content:	29.81
Penetration depth:	8 - 10 mm @ 0.15 ltr/m ²

- ▲ Once the concrete shutter or moulds removed or the face up concrete surfaces reached final setting, the retarded portion of concrete surface layer is easily removed by water washing or wire brush.

Note:

Application of Formcoat GSR for the face up applications should not begin until the concrete is free from surface water, and should not commence at all if bleed water is apparent on the concrete surface.

Packaging

Formcoat GSR is available in 5, 20 and 200 litre buckets.

Storage

Formcoat GSR should be stored under cover at a minimum ambient temperature of 5°C.

Shelf Life

Formcoat GSR has a shelf life of 12 months from date of manufacture if stored in proper conditions and sealed drums.

If these conditions are exceeded, DCP Technical Department should be contacted for advise.

Cautions

Health and Safety

Formcoat GSR should be treated as potentially harmful. Formcoat GSR should not be swallowed or allowed to come into contact with skin and eyes. Avoid inhalation of vapours and ensure adequate ventilation.

Formcoat GSR

Wear suitable gloves and eye/face protection. Should accidental skin contact occur, remove immediately with soap and water- do not use solvent.

In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately- do not induce vomiting.

For further information refer to the Material Safety Data Sheet.

Fire

Formcoat GSR is nonflammable.

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A wide range of construction chemical products are manufactured by DCP which include:

- ▲ Concrete admixtures.
- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

