

Fosroc® Dekguard Textured



constructive solutions

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Textured weather-resistant coating system for exposed concrete and masonry

Uses

To enhance the appearance of exposed reinforced concrete. Suitable for use on all types of structures both new and existing. Dekguard Textured is a component of the Renderoc system of concrete reinstatement.

Advantages

- High resistance to the effects of long-term weathering and durable in all climatic conditions
- Allows water vapour to escape from the structure
- Water based
- Choice of water based or solvented primers
- Wide range of decorative colours
- Helps disguise patchy or unsightly substrates
- Can be used in combination with Dekguard S to obtain protection against acid gases, chloride ions, oxygen and water

Description

Dekguard Textured is a water based coating with a textured surface profile.

The Dekguard Textured system comprises a single component, penetrating silane-siloxane primer and a single component pigmented coating which provides a textured surface finish. Both components are ready for on-site use.

The primer (Dekguard Primer) is supplied as a clear liquid and is based on a silane-siloxane dissolved in a penetrating organic carrier. The primer is reactive and capable of producing a chemically bound hydrophobic barrier, thus inhibiting the passage of water and waterborne contaminants.

Dekguard Textured is a textured water based protective coating based on a special acrylic polymer. It provides low dirt pick-up, resistance to aggressive elements, UV light and rain. It is available in a wide range of colours.

Specification Clauses

Protective/decorative surface coatings

The weather-resistant coating shall be the Dekguard Textured system, comprising a silane-siloxane primer and a water based, single component, pigmented textured coating.

The finished coating shall be unbroken and representative of the texture approved from a site applied sample panel and/or as agreed with the Contract Administrator.

Application instructions

All coating work to be carried out in accordance with the relevant sections of BS6150:2006, Painting of Buildings - Code of Practice.

Preparation

All surfaces should be dry and free from contamination such as oil, grease, loose particles, decayed matter, moss, algal growth, laitance, and all traces of mould release oils and curing compounds. This is best achieved by lightly grit blasting the surface. Where moss, algae or similar growths have occurred, treatment with a proprietary biocide should be carried out after the grit blasting process.

Where application over existing sound coatings is required, trials should be conducted to ensure compatibility and retention of the bond between the underlying coating and the substrate. For further advice, consult the local Fosroc office.

It is essential to produce an unbroken coating of Dekguard Textured. To ensure this is achieved, surfaces containing blow-holes or similar areas of pitting should first be filled using Renderoc FC, a cementitious fairing coat. Rougher substrates can be levelled using Renderoc RP252, a cementitious reprofiling and protection mortar. Separate data sheets must be referred to before commencing overcoating of Renderoc RP252 with Dekguard Textured.

Application

In order to obtain the full properties of the Dekguard Textured system, it is important that the correct rates of application and overcoating time are observed.

Where more than one batch of material is to be used, restrict use of batch to whole separate elevations. Contact local Fosroc Office for further details.

	Dekguard Primer	Dekguard Textured
Number of coats:	Flood coat	1
Theoretical application rate per coat	0.4 litres/m ²	0.5 litres/m ²
Theoretical wet film thickness per coat:	N/A	500 microns
Overcoating time @ 20°C:	12 hours	N/A

Any areas of glass or window frames should be masked. Plants, grass, joint sealants, asphalt and bitumen-painted areas should be protected during application.

The primer should be applied in one or more coats until the recommended application rate of 0.4 litre per square metre has been achieved. This is best accomplished by using portable spray equipment of the knapsack-type. Porous surfaces may require the application of Nitoprime DG as an alternative primer, or may require other special treatment. Nitoprime DG should be applied at the same coverage rate as Dekguard Primer but in continuous, multiple coats as necessary. If in doubt about the condition of the substrate, consult the local Fosroc office.

The primer should be allowed to dry for a minimum of 12 hours (at 20°C) longer at lower temperature, before application of Dekguard Textured. Under no circumstances should the primer be overcoated until the surface is properly dry.

Fosroc® Dekguard Textured

All primed substrates should be treated with one coat of Dekguard Textured. Stir the material thoroughly before use. Apply to all areas by the use of suitable brushes or rollers to achieve a uniform coating with a wet film thickness not less than 500 microns. Achieve the desired texture with a suitable roller. Care must be taken to ensure that a uniform coverage rate is achieved. Non-uniform coverage may provide varying textures.

Cleaning

Renderoc FC, Renderoc RP252 and Dekguard Textured should be removed from tools and equipment with clean water immediately after use. Dekguard Primer and Nitoprime DG should be removed from tools and equipment using Fosroc Solvent 12.

Estimating Supply

Renderoc FC:	25 kg bags
Renderoc RP252:	20 kg bags
Dekguard Primer	25 litre drums
Nitoprime DG:	25 litre drums
Dekguard Textured:	10 litre drums
Fosroc Solvent 102:	5 litre drums

Coverage

Renderoc FC:	15 litres (5 m ² at 3 mm thickness)
Renderoc RP252 :	12 litres (4 m ² at 3 mm thickness)
Nitoprime DG:	2.5 m ² per litre (total)
Dekguard Textured:	2 m ² per litre

The coverage figure given is theoretical — due to wastage factors and the variety and nature of possible substrates, practical coverage figures will be reduced.

Limitations

Where application over existing sound coatings or paints is required, trials should be conducted to ensure compatibility and retention of the bond between the underlying coating and the substrate. When applied over existing coatings or paints, the performance characteristics of Dekguard Textured may be impaired. Compatibility and soundness should be assessed on a trial area. For further advice, consult the local Fosroc office.

The application of Dekguard Textured should not commence if the temperature of the substrate is below 5°C.

Dekguard Textured should not be applied where there is a likelihood of exposure to frost within 48 hours of the application, or in windy conditions where early-age dust adhesion may occur, or where rain is likely within 2 hours at 20°C or 20 hours at 5°C (up to 80% RH). Dekguard Textured should not be applied when the prevailing relative humidity exceeds 90%.

Dekguard Textured should not be considered for areas subjected to exposure to ponded water. Use Dekguard S where occasional ponded water is anticipated.

Where protection against the ingress of atmospheric acid gases is required, a single application of Dekguard S should be made in between the primer and application of the textured top coat. For further details on Dekguard S, refer to separate data sheet.

The manufacture of Dekguard coatings is a batch process and despite close manufacturing tolerances variation may occur between batches. Fosroc recommends using material from one batch only as the finish topcoat.

Storage

Store in cool, dry conditions, away from sources of heat and naked flames, in the original, unopened packs. Material from different batches shall be stored separately. Dekguard Textured should be protected from frost.

Dekguard Textured has a shelf life of 12 months if kept in a dry store in the original, unopened container. If stored at high temperatures and/or high humidity conditions the shelf life may be reduced.

Precautions

Health and safety

For further information refer to appropriate Product Safety Data Sheet.

Fire

Nitoprime DG: Flash Point 38 °C

Dekguard Primer: Flash Point 38 °C

Dekguard Textured: non-flammable

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