

Fosroc Dekguard EP302



constructive solutions

Water based, epoxy resin primer for Dekguard PU

Uses

To provide a dust-proof easily cleaned surface ready for application of Dekguard PU. It is suitable for use on many building substrates including:

- Concrete.
- Masonary.
- Steel.

Advantages

- Durable - provides excellent bonding strength to old and new concrete surfaces.
- Economical - easy to apply, minimises cleaning costs.
- Water based - safe in use, low odour.
- Specially formulated for Middle East conditions.

Description

Dekguard EP302 is a two-component water dispersed epoxy resin primer coating supplied in pre-weighed packs ready for on-site mixing and use.

The cured film forms a hard, semi-matt seal to concrete and other substrates.

Design criteria

Dekguard EP302 is designed for application as primer coat. Substrates should be dry and not suffer, or be likely to suffer, from rising damp. If necessary, suitable damp-proof membranes should be installed to prevent this. Substrates should not have a relative humidity greater than 80% at the time of installation.

Specification

Epoxy floor coating

The primer coat shall be Dekguard EP302, a two-component water dispersed epoxy suitable for application by brush or lambswool roller.

Properties

Physical properties

	@ 23°C	@ 35°C
Pot life*	: 4 hours	2 hours

*Note: that after the pot life has expired the material, although not hardened, may not have increased in viscosity but the characteristics of the product change. Excess material should be discarded after this point.

Instructions for use

Surface preparation

The substrate should be mechanically prepared to a good quality dense concrete surface. The preferred methods of substrate preparation are; captive blasting using fine shot or surface grinding.

If any part of the floor is contaminated by oil, grease or fat, the contamination shall be removed before other forms of preparation are undertaken.

Prepare the concrete substrate using the chosen methods to remove all weak or friable laitance from the surface. The prepared surface should have the texture of fine to medium grade sandpaper

Mixing

The individual components of Dekguard EP302 should be thoroughly stirred before the two are mixed together. The entire contents of the base container should be poured into the hardener container and the two materials mixed thoroughly for at least 3 minutes. The use of a heavy duty slow speed drill fitted with a Fosroc Mixing Paddle (MR3) is desirable.

Coating

The mixed Dekguard EP302 should be applied to the prepared surface using a brush or lambswool roller. Ensure that the area is completely coated and that 'ponding' of the material does not occur since water may be trapped within the product, thus preventing complete cure.

Overcoating

Dekguard EP302 must be allowed to fully dry before application of Dekguard PU.

Good drying conditions are required to allow complete evaporation of the water as the resin cures. Adequate ventilation and air movement is necessary.

Cleaning

Dekguard EP302 should be removed from tools and equipment with clean water immediately after use.

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Limitations

- Dekguard EP302 should not be applied on to surfaces known to, or likely to suffer from, rising damp or have a relative humidity greater than 75% as measured in accordance with BS 8203 Appendix A, or by a Hammond concrete/mortar moisture tester type COCO.

Estimating

Supply

Dekguard EP302	:	20 litre packs
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Coverage

Dekguard EP302	:	10.0 m ² /litre @ 100 microns wft/coat
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The coverage figures given are theoretical - due to wastage factors and the variety and nature of possible substrates, practical coverage figures will be reduced.

Storage

Shelf life

All products have a shelf life of 12 months if kept in a dry store in the original, Store in dry conditions between 10°C and 30°C, away from sources of heat and naked flames in the original, unopened packs. If stored at high temperatures the shelf life may be reduced.

Precautions

Health and safety

Dekguard EP302 should not come in contact with the skin and eyes, or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Some people are sensitive to resins, hardeners and solvents. Wear suitable protective clothing, gloves and eye protection. If working in confined areas, suitable respiratory protective equipment must be used. The use of barrier creams provide additional skin protection. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention immediately - if swallowed seek medical attention immediately - **do not** induce vomiting.

Fire

Dekguard EP302 is non-flammable.

* Denotes the trademark of Fosroc International Limited

† See separate data sheet



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Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. **All Fosroc datasheets are updated on a regular basis. It is the user's responsibility to obtain the latest version.**

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