

Description

Centrecoat ArmourCoat Multi-Use Primer is a two-component virtually solvent free flexible polyurethane primer. Unlike many other primers, ArmourCoat Multi-Use Primer is flexible which can compensate for movement in the substrate.

Centrecoat ArmourCoat Multi-Use Primer is suitable for application onto thoroughly prepared concrete, polymer modified sand and cement screeds, steel, brickwork, block work and timber.

Features

- ▶ Flexible
- ▶ Low viscosity - penetrates the substrate
- ▶ Seals concrete pores - reduces the potential for out gassing and pin holing in resin floor finishes
- ▶ Improves the adhesion of toppings to the substrate
- ▶ Easy to mix and apply

Application / Substrate Conditions

Resin products should not be mixed and laid outside of the range 10°C to 25°C. Localised heating or cooling equipment may be required outside this range to achieve ideal temperature conditions.

To reduce the risk of subsequent bond failure caused by condensation, the climate above the uncured floor should be maintained at least 3°C above the dew point until subsequent toppings are applied.

Preparation

The concrete substrate must be at least 28 days old, sound with a minimum compressive strength of 25 N/mm² and a minimum pull off strength of 1.5 N/mm². The substrate must be clean, dry with a moisture content less than 5% (75% RH) and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.

The substrate should be free from rising damp and ground water pressure and contain a functional damp proof membrane. Inadequate preparation will lead to loss of adhesion and failure. Grinding, vacuum-contained shot-blasting or planing is recommended depending on the final finish to be applied. Percussive scabbling or acid etching is not recommended. Contact our technical team for further information.

Mixing

Add the hardener component to the resin component and mix using a low speed electric mixer (200 - 500 rpm) fitted with a mixing paddle designed to minimize air entrainment for 1 - 2 minutes until homogeneous. Care should be taken to ensure that any material adhering to the sides and bottom of the mixing vessel is thoroughly mixed in otherwise uncured patches may result.

Application

Once mixed the primer should be applied immediately in a thin continuous film. Work the primer into the surface using a stiff brush or roller avoiding pooling.

On porous surfaces Centrecoat ArmourCoat Multi-Use Primer will be absorbed very quickly leaving dry patches. A second coat should be applied to these dry areas to ensure good adhesion and reduce the possibility of air release from the substrate causing bubbles or pin holing in the final topping.

Technical Data

- ▶ Adhesion to concrete (BS EN 12504-2): >1.5 MPa

- ▶ Pot Life: 25 minutes at 20°C
- ▶ Overcoatable: 8 - 36 hours at 20°C

These cure times are approximate and given as a guide only. These times can vary due to prevailing site conditions. At lower temperatures curing times will be extended. At higher temperatures the working life will be reduced. If the over coating interval of 36hrs is extended, the first coat should be lightly abraded to ensure intercoat adhesion.

Coverage Rate

Coverage varies widely due to the porosity and profile of different substrates. As a guide:

- ▶ Rough porous concrete - 175 g/m²
- ▶ Average finish - 125 g/m²
- ▶ Smooth finish - 100 g/m²

* Coverage figures given are theoretical. Practical coverage rates may vary due to wastage

Storage

Materials should be kept dry and stored in a weatherproof building maintained at 15°C to 20°C on pallets and away from walls. Consignments should be used in order of batch number. Protect from frost.

Shelf Life

12 months if stored in accordance with the above recommendations.

Packaging

Available in 5 and 10 Kg

Limitations

Do not proceed with application if atmospheric relative humidity is, or is anticipated to be >85% or if the surface or atmospheric temperature is <3°C above the dew point. Application should not commence when the substrate temperature or the ambient temperature is, or is anticipated to be <5°C during the application or within the curing period.

For further information on this or any other Centrecoat product, please contact our office.