

CONSEAL 220

High Performance, Polyurethane hybrid UV stable, Water Proofing Membrane

Description

Conseal 220 is water based, polyurethane hybrid waterproofing membrane that cures to a permanently flexible seamless membrane with good adhesion to a wide range of substrates. Unlike more traditional bitumen based products, Conseal 220 does not brittle with age, exposure to ultra violet radiation or weathering, and hence it does not crack or craze due to its' flexible properties.

Uses

- Suitable for use on many porous substrates including fiber cement, concrete, render brickwork, render and plasterboard.
- It can be used to water/damp proof basements, kitchens, bathrooms, balconies and decks, shower recesses, repair and restoration of
- leaking roofs as well as a damp proof membrane in sandwich panel construction.
- It is also suitable for Deck areas & is also used in planter boxes and retaining walls as long as it is protected by drainage.

Surface Preparation

Surface should be sound, clean and free of dust, oil, grease and curing compound. Loosely adhered particles such as rust scale, cement smears should be thoroughly cleaned with a wire brush or another such implement. Concrete all new concrete surfaces must be fully cured (6-8 weeks) with a semi-rough surface appearance. Rendered surfaces must be allowed to cure for a minimum of 7 days prior to the commencement of waterproofing. All surfaces must as level as possible with a slope variation not exceeding 4mm.

Gypsum/Plasterboard sheets must be installed to the manufacturer's guidelines with all joints being covered with a 50mm wide PP or PE tape whilst all screw/nail heads must be sealed with epoxy. When used as a wall substrate, sheet thickness should be a minimum 10mm thick.

Priming

Prime surfaces with Conseal 220 diluted with 20% water, metal surfaces need to be primed with a suitable water based primer. The primer can be applied with a brush, roller or squeegee depending on the size of the area required to be primed. Allow 10–30 minutes at a temperature of 20 °C for the primer to dry before actual application of product.

Application Instruction

Once the primer is completely dry then apply first coat which when dried follow it up with the second coat at 90° right angles to the first coat ensuring a complete coverage. Please note that air bubbles trapped under the surface must be removed in order to achieve the maximum waterproofing effect. Apply third coat if required

NOTE: PLEASE DO NOT DILUTE ANY COAT AFTER THE PRIMER IS APPLIED

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Typical Properties

Color	Grey
Cure Time at 25°C	Full cure after 5-7 days
Recoating	3-5 hours at 20°C
Density/Specific gravity	1.27 +/-0.05 kg/liter
Elongation at break	300% at 20°C

Theoretical Coverage

Theoretical coverage is 15 square meters in two coats

Cleaning

All tools and implements should be thoroughly cleaned with water immediately after use.

Storage/Shelf Life

When stored in a cool, dry place the contents of the original unopened container can typically be used approximately twelve (12) months from the date of manufacture.

Packaging

20kg

Health, Safety and Handling

- Avoid prolonged contact with skin.
- To avoid accidental contact with eyes please wear protective clothing, goggles, gloves, safety shoes etc.
- If accidental contact with eyes does occur, immediately flush with water and seek medical advice.

Limited Warranty

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty either expressed or implied. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his or her use of the product. Nothing contained in any supplied materials relieves the user of the obligation to read and follow the warnings and instruction for each product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use away.

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