Performance Paint Systems

CCM Subflex 5000 – Data Sheet

Description:

CCM Subflex 5000 is a flexible single package water based PU modified membrane coating. It is formulated for shower recesses, bathrooms, laundries, decks, balconies, and light foot traffic roofs.

Physical Properties

Resin Type	PU modified acrylic Emulsion
Solvent	Water
Colour	White or pastel colours
Finish	N/A
Drying time	4 hours at 20°C, full cure 3-5 days
Recoat time	1-2 hours
Dry Film Thickness	750µ minimum
No. of coats	2 minimum to attain 750µ
Theoretical Coverage	1.7litres/m_2 to attain DFT of approximately 1mm
Primer Needed	Yes
Thinning & Cleaning	Does not require thinning, wash up with water.

Performance:

- Membrane coating.
- Can be used for internal and external applications.
- Does not require reinforcing except for areas of regular foot traffic.
- Cement tile adhesives can be applied over **Subflex 5000.**

Limitations:

- Do not apply at temperatures less than 10°C or when temperature will fall below 10°C during the drying time.
- Must be applied at a minimum of 750µ DFT to meet AS/NZ 4858:2004

Substrate Preparation:

- New concrete surfaces and rendered surfaces must have a wood float finish. Steel trowel finishes must be mechanically or chemically abraded before application of **Subflex 5000.** New concrete must be cured for 28 days and rendered surfaces for 7 days.
- All cracks must be filled with the appropriate flexible filler for the size of the crack.
- All construction sheeting both internal and external must be installed as per the manufacturer's recommendations.

Priming:

- Ensure all surfaces are dry and free of all contaminants. Any old paint must be flake free and firmly adhered to the substrate. Any protrusions that may piece the membrane must be removed.

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- Metal surfaces must be primed with an appropriate etch primer. Porous cement substrates must be primed with **CCM Key Coat**. All other surfaces must be primed with **CCM All Prime.**

Application:

- **Subflex 5000 must be applied to a minimum of 0.75mm dry film thickness.** Consumption rate will be approximately 1.7 litres/m_2 to attain this thickness.
- Apply the first coat of **Subflex 5000** to the primed surface using a thick roller.
- Allow first coat to dry and apply the second coat by roller at 90° to the first coat. This ensures complete coverage and helps eliminate any air bubbles that are present.
- If any imperfections are present in the dried surface of the second coat apply a 3rd coat.
- When the application is finished do not disturb the membrane for at least 24 hours at 20°C.
- If the membrane is being used under tiles, inspect the surface before tiling to ensure no pinholes are present.

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