

Durafloor NWB 21

Three component epoxy modified cementitious self-smoothing topping

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- Description** Durafloor NWB 21 is a three packs, epoxy modified cementitious self-levelling floor topping.
- Uses** As a corrective screed / underlayments for cementitious or mineral based substrates and is recommended as a moisture barrier for epoxy and polyurethane floors if applied to a minimum thickness of 2 mm. Specially designed to use as a self levelling screed from thickness of 1.0 – 3.0 mm for patching concrete surfaces and as an underlay for carpet or parquet and can also be used as a repair material for cracks.
- Advantages**
- Excellent adhesion to damp and even green concrete
 - Excellent early and final mechanical strength
 - Can be over-coated as early as after 24 hours
 - Excellent water proofing properties
 - Good flowability and workability
- Specification** Substrates to be coated and be repaired must be clean and sound. Surface preparation if required should be light captive blasting or mechanical sanding to achieve the right surface profile and key for the product acceptance. Apply diluted Cemfloor FC130 as primer and allow 8-12 hours drying time before applying Durafloor NWB 21 in the manner as strictly instructed by the manufacturer.

TECHNICAL DATA:

Recommended dry film thickness	1 – 3 mm	Curing Time	Open to light traffic	8 hours
No. of components	3		Over coating	24 hours
Mixing Ratio	3.5 : 1.5 : 22		Full Cure	7 days
Density (mixed)	Approximate 2.10 kg / liter	MECHANICAL	PROPERTIES:	
Pot Life (20°C)	20 min	Compressive Strength	1 day	33N/mm ²
Shelf Life (80% RH at 20°C)	12 months in unopened can		7 days	58N/mm ²
Coverage @ 2.0mmthick	Approximate 4.0 kg/m ²		28 days	66N/mm ²
		Flexural Strength		>13N/mm ²
		Adhesion Strength	7 days	Break at concrete
		Packing		27 kg. (A + B + C)
		Cleaner		Can be washed / cleaned with water

Application Data

Surface preparation:

All substrate to receive **Durafloor NWB 21** must be structurally sound and free from oil, dirt, grease, laitance or any other loose foreign materials. Curing compound if used on the concrete must be compatible type to avoid de-bonding. Although the product is moisture tolerance, surface must not be pooled with standing water.

Mixing:

Shake the Pack **A** separately and mix well with Pack **B** in a mixing drum (approx. 20 liters capacity) for at least 30 seconds with a slow speed stirrer. Add Component **C** (Powder) into the mixed binder (**A+B**) and stir for at least 2 minutes until workable consistency is obtained. Viscosity can be adjusted by varying the powder content. Durafloor NWB 21 can be modified with dry silica sand to repair critical surfaces that is deeper than 3 mm. Add approximate 6-8 kg of silica sand size 0.5 – 1.5 mm to each 27 kg set to achieve the mortar mix required.

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Method of Application

Apply Cemfloor FC130 as primer by roller after thinning with 10% portable water. Avoid the formation of puddles. Allow to dry for 8-12 hours.

Spread Durafloor NWB 21 uniformly with a notch trowel or metal trowel and almost immediately degas with spike roller to achieve even thickness. Refrain from spiking when the initial setting of the material is observed.

On very rough/porous surfaces, reduce the powder content (Part C) to produce more liquid slurry for better wetting onto the surface.

Health & Safety:

Although Durafloor NWB 21 is a water based product, certain of its content may cause skin and eye irritation. Always use with suitable protective apparatus. This product is for professional use only. Please consult the relevant Health & Safety Data Sheet, available on request and sent with each delivery.

Additional Information

Cemcrete manufactures and supplies a wide range of those complementary products which includes:

- Waterproofing membranes & waterstops
- Joint sealants & filler boards
- Cementitious & epoxy grouts
- Specialized flooring materials
- Fireproof coating and systems
- Concrete admixture
- Repairing material

For further information on any of the above, please consult your local Cemcrete office - as below.

Important Note: Cemcrete warrants its materials free of manufacturing defects and produced as per standard specifications and sold under the terms and conditions of usages, whilst Cemcrete endeavors to ensure that any advice, recommendation, or information, given through its products literatures are reflects of the R&D in-house lab test and practical sites experience and knowledge based feed backs, however, the products are being used under various conditions and applied beyond its control where or how either directly or indirectly at various locations and places at a different stages that of an intended purposes and uses. Therefore, Cemcrete cannot hold warranty or responsible for resultant consequences, such as damages to the property or assets but the product itself.