

Technical Data Sheet



Date: Sept 2015
Replaces: Feb 2014

UNIFLOOR Cement based multi-use compound

PRODUCT DESCRIPTION Unifloor is part of Nuplex's hand screed range which gives a ready-to-use compound simply by mixing with water. It exhibits excellent trowelling with good hardening and drying properties.

APPLICATION AREAS Single component, normal curing, cement based screed. For resurfacing, filling holes on floors of concrete, particle board and fibre board floor for a thickness of 1-100mm. May also be used as a filler on concrete walls.

- Multi purpose levelling compound/adhesive
- Ceramic tile adhesive on concrete and Hardies tile underlay
- Interior/exterior
- Smoothing compound

SURFACE PREPARATION The surface should be cleaned of waste, dust, dirt, oil, fat, wax etc. Any laitance should be removed. Grind surface to promote adhesion.

Although priming is not normally necessary, strongly absorbent surfaces, fibre board and particle board and concrete should be primed with DURASEAL. This will improve working time, adhesion and handling.

Neoprime should be used to create adhesion on smooth, impervious. surfaces.

MIXING Unifloor has variable water level additions:

- 3.0 – 3.5 litres water give a very heavy filling, thick
- 3.5 – 3.8 litres water gives a thick mortar which can be used to form ramps, coves, heavy ceramic tiles.
- 4.0 – 4.5 litres water gives a pourable, trowelable paste that is better for thinner screeding and for finer tile adhesive spreads. This will be slower to dry than the water level above.
- 4.5 – 5.0 litres water for fine smoothing of floors

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UNIFLOOR (cont'd)

MIXING (cont'd)

Stir vigorously to a lump-free compound. The compound should be used within 60-90 minutes at 18°C. Higher temperatures reduce and lower temperatures increase the time.

Unifloor mixes readily with water and is generally lump free.

1. If better durability, adhesion and wear or greater elasticity are required, mix 2 litres FLC emulsion and two litres of water with 20kg.
2. If making bonding mixes, eg tiles, use 4lts FLC emulsion and 20 kg Unifloor.

APPLICATION:

Smoothing:

Apply using a steel trowel or float to achieve the required finish.

Ceramic Tile Adhesive:

Apply using a notched trowel. Generally the larger the tile, then the requirement is for a larger notch. Scratch the surface in various directions to ensure the adhesive "wets" the substrate. Ensure the tile is fully embedded into the wet Unifloor. Test lift the tile to ensure the back is fully covered.

WATERPROOFING If bonding over waterproofing membranes (eg: membranes, Situclad EWS, Elastodeck BT) ensure that the Unifloor is polymer modified (item 2. above) with FLC emulsion as shown in the mixing section. Also, if bonding over tough, smooth surfaces, eg Situclad EWS, prime that surface with Nuplex Neoprime prior to commencing.

Contact Nuplex Industries for advice if uncertain about use.

COVERAGE AND AMOUNT APPLIED

Coverage on a 20kg bag:

Smoothing:	13m ² (approx 1mm)
Levelling:	5m ² (approx 2-3mm)
Fine (6mm) ceramic tile adhesive:	6-7m ² approx
Heavy (12mm) ceramic tile adhesive:	3m ² approx

PACKING, DISTRIBUTION AND STORAGE

Unifloor is packed in 20kg paper bags

If Unifloor is stored in dry internal conditions then it will keep 12 months in an unopened pack.