

Technical Data Sheet

Ultratuff 001FC - Liquid Waterproofing Membrane *allnex*

DESCRIPTION:

Ultratuff 001FC Liquid Waterproofing is a reinforced waterproofing membrane. It is liquid applied in- situ to adapt to the design and shape of the area being waterproofed.

TYPICAL FEATURES | BENEFITS:

- High flexibility.
- High solids equals high film build.
- Very good water resistance & early water resistance.
- Choice of colours if used as an exposed decking system.
- Quick drying.
- High elongation.
- Latex based.



RECOMMENDED USES:

- Window Rebates
- Decks under tiles
- Upstand waterproofing
- Decks, patio's, suspended decks (over-coated with Flexiglaze or a high quality acrylic paint, or Coloured Granule chip)
- Bathrooms under tiles, including wet area showers.
- Roofs (over-coated with Flexiglaze or a high quality acrylic paint, or Coloured Granule chip)

LIMITATIONS:

- All decks, roofs and floors should have a positive fall.
- Ensure good drying conditions during laying. Cross air movement is very important.

SUBSTRATE: – Preparation

All substrates shall be stable and solid.

CONCRETE:

Shall have a surface which has been mechanically trowelled to AS3610:1995 U3/NZ/3114:1987U3 finish.

A minimum compressive strength of 25MPa at 28 days cure.

A minimum of 28 days prior to the installation of Ultratuff.

The moisture content shall be less than 75% RH. (*Refer: allnex Ultratuff Method Statement / Specification for options*).

PLYWOOD | TIMBER | FIBRECEMENT

Refer: Ultratuff Method Statement / Specification for options

PERFORMANCE DATA:

Properties	Values	
Minimum Thickness:	1.2mm	
Minimum Application Temperature: Air	+10°C	
Maximum Application Relative Humidity: Air	85%	
Adhesion to correctly prepared substrate:	1.5MPa minimum – Concrete Failure GB2567-2008. 2.77(KJ/m2). - Concrete failure	
Slip resistance	Refer: Finish Options Below	
Light Foot Traffic: Exposed System (<i>Not Tiled</i>)	+20°C ~ 75%RH	48 hours
Full Use: Exposed System (<i>Not Tiled</i>)	+20°C ~ 75%RH	7 days
Tiling:	+20°C ~ 75%RH	Minimum 24 hours after final coat <i>Best left 48 hours</i>

FINISH OPTIONS

Ultratuff Type	Description	Description	CF Rating	SRV Rating	R Rating	Non - Slip
	Installation Type	Surface Finish Type	NZ/AS 3661.1 1993	AS/NZS 4586		Application Rates
Type A -1	Exposed Finish - On Deck	<i>Exhibits Fibre Reinforcement pattern.</i>	0.46	41	R11	
Type A -2	Exposed Finish - On Deck For very smooth requirements such as coves and upstands; a layer of surfacing matt is added into the system. <i>Refer: Ultratuff Specification.</i>	<i>Smooth Shows less Fibre reinforcement pattern.</i>	N/A	N/A	N/A	
Non-Slip Class 1	Exposed Finish - On Deck Finished with :- ~ Gloop Loop Roller	Fine non-slip	0.54	50	R11	
Non-Slip Class 2	Exposed Finish - On Deck Medium duty aggregate: non-slip: Roller applied with the addition of:- ~ J61 Sand ~ Q900 <i>Broadcast into the wet Ultratuff coating with further coats over the aggregate Broadcast.</i>	Fine – Silica Sand Fine – Medium Garnet	0.63 0.73	57 64	R12 R13	3.0 kg / m ²
Non-Slip Class 2A	Exposed Finish - On Deck Medium duty aggregate: non-slip: Roller applied with the addition of:- ~ Quartzzite <i>Broadcast into the wet Ultratuff coating with further coats of Clear Aquaglaze UV Topcoats</i>	Fine – Coloured Aggregate	0.63	57	R12	3.0 kg / m ²
Tiles	Under Tiles	<i>NA- Tile Overlay</i>				

FALLS TO GUTTERS | WASTES

Minimums; or as proscribed by Regulatory Building Code or Local Authorities.

Falls	
Roof	1:30
Decks Balconies Maximum Deck Area 40m ² Substrate ~ Fibre Cement Compressed Sheet ~ Suspended Concrete Slab	1:40 1:60
Gutters (<i>fall to waste</i>)	1:100 minimum
Bathroom Wet Room	As per local authority regulatory requirements

STZ PREFILL SYSTEM (for adding falls, slope modification and floor angles).

Types: Refer: STZ Prefill Technical Literature.

The falls must be specified pre-tender. (Ultratuff is thin film coating system and prefill may involve significant extra materials).

The quantities of materials required to raise the floor height at wall perimeters is often underestimated.

To do this may involve significant extra costs and should be discussed and agreed.

It is a very common for allnex Screed 20+ (allnex Supaset for smaller areas) to be used under Ultratuff to create falls to drains and other filling applications.

Normally for new work falls are laid in the concrete and fall to drains.

However, in refurbishment situations the drains and falls are incorrect. Sometimes new drains are installed.

The Screed 20+ can be installed to any thickness to create falls.

MOVEMENT JOINTS:

Form and flash movement control joints as designed in accordance with the allnex Technical Specifications.

FOOT TRAFFIC:

Foot traffic is not allowed on the Ultratuff 001FC installation after laying until cured.

Foot wear with high heels with narrow hard soles is not allowed.

TILING:

The surface must be clean and dry

- Can be Tiled 24hrs after final coat is completely dry - however; usually after 48hrs

PRODUCER STATEMENT AND GUARANTEE:

allnex Ultratuff 001FC is guaranteed for 15 years from the date of completion providing regular inspections are undertaken and re-glazed as appropriate, if necessary (every 5 years depending on wear). Specifically excluded is cracking in substrates, which exceeds the movement capability of the Ultratuff 001FC system. The user should note that wrinkling or seaming is due to substrate movement.

allnex New Zealand Ltd state that the Ultratuff 001FC system is compliant with the Building Act E2 & E3.

This technical data sheet is to be read in conjunction with other relevant technical data sheets and the Ultratuff Method Statements/Specifications.

If any doubt or confusion exists please contact allnex Industries Ltd.

HEALTH & SAFETY: Refer safety data sheets (SDS).

- Wear gloves wherever possible.
- Wash hands with warm, soapy water after any skin contact.
- Re-seal all containers tightly.

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