



*with primer*

# TIMBER FLOOR LEVELLER



**DUNLOP®TIMBER FLOOR LEVELLER is a partially self-smoothing latex screed with excellent properties of adhesion, flexibility and water resistance for use prior to the installation of ceramic tiles, carpet and vinyl floor coverings. It is easy to mix and produces a smooth, flat surface. DUNLOP®TIMBER FLOOR LEVELLER can be laid from a featheredge to 12mm in one application.**

**DUNLOP®TIMBER FLOOR LEVELLER can be installed indoors only over a number of substrates including timber and concrete. For levelling and smoothing outdoor surfaces, refer to DUNLOP®MULTIPURPOSE FLOOR LEVELLER which covers a broad range of outdoor applications.**

## IMPORTANT NOTE

DUNLOP®TIMBER FLOOR LEVELLER has a noticeable ammoniacal smell during mixing, application and 4-8 hours whilst drying. Therefore, ensure there is plenty of ventilation in the room when using the product and whilst the product is drying.

## SURFACE PREPARATION:

All timber floors must be sanded prior to using DUNLOP®TIMBER FLOOR LEVELLER. Sub-floors must be solid, clean and free of dust, plaster droppings, grease, paint, polish and any loosely adhered or water-softenable material. On absorbent surfaces it may be necessary to prime the surface (see priming instructions). Prior to levelling wooden floors, re-nail and firmly fix all loose boards. Where timber floors are sufficiently rigid but are uneven and worn, or where there is differential movement between floor boards, the technique is to pre-level the timber with DUNLOP®TIMBER FLOOR LEVELLER prior to screw or nail fixing 6mm-12mm thick plywood or fibre-cement sheets to provide a sound and stable base for the new flooring. Subfloor ventilation must be adequate to prevent deterioration and moisture movement (expansion and contraction).

## PRIMING

On absorbent surfaces it is necessary to prime the surface with a push broom using the primer inside this kit. Allow the primer to dry before applying the DUNLOP®TIMBER FLOOR LEVELLER. Note: Only use enough primer to cover the prepared surface in a thin layer.

## MIXING:

1. Use 12kg of powder with 2.7L of liquid (entire components of kit).
2. Ensure the liquid component is mixed by shaking bottle thoroughly. Pour into a clean mixing container and gradually add the powder whilst mixing. Thorough mixing in the shortest possible time is essential to provide a lump free mortar. Always mix the powder into the liquid.
3. The most efficient method of mixing is by using a mixing paddle and a heavy duty electric drill (650rpm). Normal mixing time is 1-2 minutes. Concrete mixers and hand mixing are not suitable methods of mixing.

## APPLICATION

### Levelling up to 12mm

Pour the mixed DUNLOP TIMBER FLOOR LEVELLER mortar onto the prepared subfloor and spread into place using a stand-up spreader or hand trowel. The use of a spiked roller will assist in smoothing the mortar.

The DUNLOP TIMBER FLOOR LEVELLER is partially self-smoothing, but should any trowel marks persist, the surface may be smoothed with a wet trowel once the mortar has set, but not fully hardened. This can usually be done after 45 minutes at 20°C.

Where rising damp is present it is recommended that a suitable damp-proof membrane be applied on top of the hardened DUNLOP®TIMBER FLOOR LEVELLER. The adhesion and hardening of the DUNLOP®TIMBER FLOOR LEVELLER is unaffected by the presence of water dampness in the sub-floor, providing the floor is free of surface water.

### Levelling 12mm-30mm

For thicknesses from 12mm-30mm standard DUNLOP®TIMBER FLOOR LEVELLER mortar should be mixed with a well washed and dried aggregate in the range of 2-8mm. Mixes with high aggregate content (up to a maximum of 10kg aggregate per kit) may require a finishing layer of standard DUNLOP®TIMBER FLOOR LEVELLER mortar. If a finishing layer is applied, the base layer should be primed to prevent pinholes and to improve the flow of the finishing layer.

The finishing layer should be applied as per instructions for Levelling up to 12mm.

## DRYING AND HARDENING

Working time of DUNLOP®TIMBER FLOOR LEVELLER mortar will be approximately 30 minutes @ 20°C. The surface can be walked on after approximately 3 hours depending on thickness and temperatures. Ceramic tiles can be installed after 12 hours on a 3mm DUNLOP®TIMBER FLOOR LEVELLER screed. Use DUNLOP®WALL AND FLOOR TILE ADHESIVE or DUNLOP®TILE-ALL as ceramic tile adhesives. Allow 24 hours drying time before the installation of carpet and 48 hours before the installation of vinyl. DUNLOP®TIMBER FLOOR LEVELLER is not a suitable surface for direct stick timber. Hardening and drying will be extended in cooler conditions and shortened in warmer conditions. Thicker applications will require extended drying times. To ensure proper curing, provide adequate ventilation during mixing, application and for extended periods after installation.

## COVERAGE

Approximately 7m<sup>2</sup> per 14.7kg unit at 1mm bed thickness or 2.3m<sup>2</sup> at 3mm bed thickness.

## CLEAN UP

All tools and mixing equipment should be washed and cleaned in water before the DUNLOP®TIMBER FLOOR LEVELLER mortar sets.

TFL-09/07



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## TECHNICAL DATA

<b>Mixing Ratio (by weight):</b>	12kg Powder: 2.7L
<b>Bulk Density of Powder:</b>	approx 1.5kg/L
<b>Weight of Fresh Mortar:</b>	1.9kg/litre
<b>Application Temperature:</b>	10°C to 35°C
<b>Working Time (+23°C):</b>	approx 30 minutes
<b>Walkability (+23°C):</b>	approx 3 hours
<b>Tile Over After (+23°C):</b>	approx 12 hours
<b>Lay Carpet After (+23°C):</b>	approx 24 hours
<b>Lay Vinyl After (+23°C):</b>	approx 48 hours
<b>Compressive Strength (DIN 1164)</b>	
After 28 days	18.3 N/mm <sup>2</sup>
<b>Tensile Bending Strength (DIN 1164)</b>	
After 28 days	5.9 N/mm <sup>2</sup>
<b>Ball Pressure Hardness (Brinell)</b>	
After 1 day	11.3 N/mm <sup>2</sup>
After 3 days	20.4 N/mm <sup>2</sup>
After 7 days	36.3 N/mm <sup>2</sup>

## HEALTH & SAFETY

DUNLOP® TIMBER FLOOR LEVELLER mortar contains Portland cement and Quartz sand. Avoid generation of dust. Do not inhale dust. Avoid contact with eyes or skin. Wear suitable protective gloves and safety glasses. In case of contact with eyes, rinse opened eye for several minutes under running water. In case of contact with skin, rinse effected areas thoroughly with running water. If dust is inhaled, remove to fresh air, ensure breathing passages are clear, and rinse mouth with running water. If symptoms persist, seek medical advice. Ensure adequate ventilation during mixing, application and for extended periods after installation.

## NOTE

This product is guaranteed for 10 years when installed to the relevant Australian standards and applicable ARDEX specification, technical data sheet and instructions for application and use. While we assure our customers the high standard and quality of our products and services, we accept no liability for any loss or damage which arises from particular site conditions, poor handling and storage, or installation by unqualified or unskilled applicators.

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