

# Liquid Nails Flexistik

Polyurethane timber flooring adhesive

### Description

*Selleys Liquid Nails Flexistik* is a flexible, trowel grade polyurethane adhesive suitable for most types of solid, engineered strip and sheet timber flooring to concrete and timber. It is beige in colour and available in a 600ml sausage and 10L pail.

### Uses

- Direct stick bonding of Engineered overlay (Prefinished and Bamboo)
- Bonding most types of wood flooring, parquet, strip (solid, engineered and prefinished) & sheet timber to common flooring substrates such as concrete, pre-existing strip flooring, particle board, plywood, and MDF, HMR (HDF), FC (Fibre Cement) sheets.

### Features/Advantages

- Trowel grade adhesive
- Easy to spread with a V-notched trowel
- Excellent adhesion to most building materials
- Low VOC to meet Green Building Council requirements
- Flexible
- Can be used from a sausage gun
- Good wet grab and initial hold

### Instructions for Use/Application Instructions

The following should only be used as a guide and the installer should apply all Australian Standards, BCA/NZBC requirements, and best practices when installing a timber floor with *Liquid Nails Flexistik*.

- All surfaces should be clean, sound and level to 3mm in 3m. Out of level floors will increase the risk of hollow spots under strip timber overlay.
- *Liquid Nails VBS Vapour Barrier* is recommended over concrete before applying *Liquid Nails Flexistik* to prevent moisture migration and subsequent swelling of the timber overlay. Moisture content of the slab should be <5.5%, and moisture vapour transmission <15g/m<sup>2</sup> per 24hr.
- Concrete surfaces should have a finish equivalent to that obtained when using a steel trowel.
- Grind concrete to remove high spots, surface contaminants and weak surface layers.
- Sand timber substrates to remove contaminants such as old glue or surface finishes and flatten any raised joints.
- Scoop or pour adhesive from the pail (or squeeze from sausage) to the application surface. Use the specified V-notched trowel to spread as much adhesive as you can cover in 20 minutes. It is important to achieve at least 85% adhesive coverage between overlay and sub-floor to avoid hollow spots and drumminess. For direct stick to concrete use a 6mm v-notch at 13mm centres; for parquetry and direct stick of strip overlay to structural sheet timber use a standard 3.2mm v-notch.
- This provides the optimal spacing and height for adhesive ridges for bridging any gaps between overlay and sub-floor and wetting onto the underside of the boards. Set strip overlay or parquet directly onto prepared adhesive with a minimum of sideways movement using adequate pressure to ensure adhesive contact on each individual board
- Fastening (or weighting) is recommended to secure timber during curing.

**Refer to the Installation Guide for more detailed information.**

## Technical Data/Properties

Contact Selleys before using this data for the setting of specifications.

Property	Typical Result
Colour	Beige
Density	1.27
Technology	Polyurethane
Application Temperature	10 – 35 <sup>0</sup> C
Shelf Life	12 months
Shore A Hardness	35
Working Time	45 minutes @25 <sup>0</sup> C
Cure Time	24 hours
Tensile Strength	0.9 MPa
Shear Strength	1.4 MPa
VOC	45 g/L

## Important Notes/Limitations

- Cure rate will be inhibited if air or substrate surface temperature is below 5<sup>0</sup>C.
- Selleys Technical Services should be consulted if any doubt exists in respect to floor contamination, or any concerns in relation to moisture.
- Should a self-levelling compound be required, consult manufacturer in relation to drying times and appropriate priming to adhere the compound to the substrate.

## Storage

Store unopened sausages/pails below 30<sup>0</sup>C in a cool dry place away from direct sunlight. Unopened sausages/pails can be stored for 12 months from the date of manufacture. Opened sausages/pails may skin and form a lump near the opening. Discard any lumps or skin and remaining product can be used.

## Safety

Classified as HAZARDOUS - contains Isocyanates  
Wear gloves and safety glasses when using.  
Not classified as Dangerous Goods.  
Refer to Safety Data Sheet for more detailed information.

## Clean up

Spills and tools can be cleaned up with Mineral Turps before product cures.

## Disclaimer

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