

Nexus 590 MS Timber Adhesive

TECHNICAL DATA SHEET

DESCRIPTION & USES

Nexus 590 is an elastic, single-component Modified Silane adhesive designed for adhering parquet & engineered timber to properly prepared absorbent and non-absorbent indoor subfloors.

ADVANTAGES

- Solvent-free
- Complies with DIN EN 14293
- Water-free – no wood swelling
- Low VOC emission
- Easy to spread
- Good working time
- Easy to clean up with mild solvent when wet

METHOD OF APPLICATION

SURFACE PREPARATION

The subfloor as well as the room climate conditions must meet the requirements of the applicable standards and data sheets. Subfloors must be permanently dry, solid, level, free from cracks, dirt and adhesion-inhibiting substances. Mechanically pre-treat and thoroughly vacuum-clean screeds according to the manufacturer's specifications or according to the applicable standards and data sheets. Provided that the existing screed is free from dust, the parquet or timber can be bonded directly on the subfloor.

Before starting installations on concrete sub floors, moisture test must be conducted with in-situ probe method as according to ASTM F2170.

Use suitable application method depending on the concrete slab relative humidity reading:

Concrete Slab Relative Humidity (ASTM F2170)	Application Method
0 – 80%	Normal Application Method – V Flat Notch Trowel
80% – 98%	Apply PU primer (like Ardex PU30 Rapid), Direct stick to primer with V Flat Notch Trowel

If a primer is necessary, please contact Nexus Adhesives.

DIRECTION OF USE

Confirm moisture content of timber to ensure it meets manufacturer's standard prior to installation.

Using a notched trowel that suits the product being installed, apply uniformly on the subfloor holding the trowel at 60-degree angle, without letting the adhesive pool.

Fit the parquet or timber flooring immediately and press it down firmly. Ensure that the underside of each wooden element is sufficiently coated with adhesive. Roll floorcovering within 1 hour after installation.

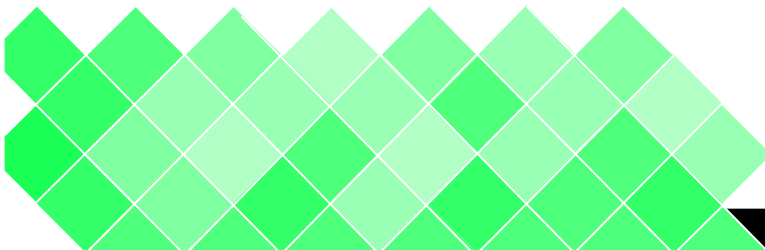
IMPORTANT: Installation area should be – room temperature of 15 – 30 °C, as well as room humidity preferably between 40 – 65 %, maximum 75 %(ASTMF2170-02).

CLEAN UP

Clean tools immediately after use with **Nexus Adhesive Remover** or **Nexus 490 Solvent Cleaner**.

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After adhesive has set completely, it can only be removed by mechanical means. Dried adhesive may be softened using a **Nexus Adhesive Remover** or **Nexus 490 Solvent Cleaner**.

IMPORTANT: Do not use Nexus 490 Solvent Cleaner directly on finish floorcovering, as the solvent cleaner can potentially cause damage to the surface.

TYPICAL PROPERTIES

Appearance	Thick cream coloured paste	
Coverage	0.8 - 1 m ² /kg	Acoustic Underlays
	1 – 1.1 m ² /kg	Mosaic Parquet, Timber underlays, Engineered timber
Open Time	Approx. 40 minutes at 50% Relative Humidity and 20 °C	
Curing Time	24 Hours	
Packaging	18 kg pails	
VOC	19 g/L (SCAQMD Method 304-91)	
Shear Strength	> 1.0 N/mm ² (ISO17178)	
Shear Elongation	> 100% (ISO17178)	
Shelf Life	18 months in sealed container at 20 °C	

Note:

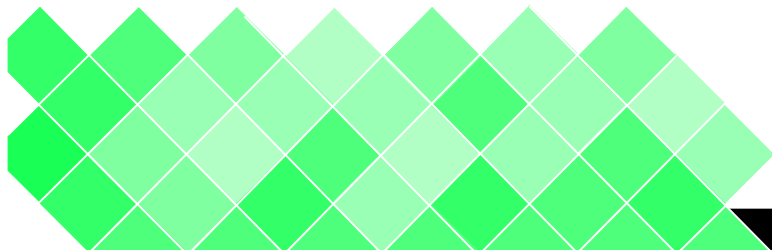
Nexus 590 MS Timber Adhesive will not stop timber from moving should it gain or lose moisture. The adhesive will not stick to wax, grease, oil, dust, or any contaminants.

Once the pail is open, remove the aluminium foil that covers the adhesive and set it aside.

If the full pail of adhesive isn't used, cover the remaining adhesive with the original aluminium foil, making sure that the foil it touches the product and there is not too much air between the foil and the adhesive. Then replace the lid as soon as possible. The remaining part filled pail should be used up soon after opening. The product must never be diluted in any way.

Always carry out your own test to confirm suitability of this product with your application. Additional information on physical properties, health hazards, storage, handling and transport is available in the Safety Data Sheet (SDS), available on request.

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