



# SikaBond® T54

## Low Viscosity Elastic Timber Flooring Adhesive

### Technical Data Sheet

#### DESCRIPTION

**SikaBond® T54** is a high performance, solvent free, one-part trowel grade elastic timber flooring adhesive.

#### USES

**SikaBond T54** is a permanent elastic adhesive for bonding timber onto all types of screeds as defined in BS 8203: 1987 and BS 8204: 1987 Parts 1-5.

- \* Solid or engineered strips
- \* Parquet blocks
- \* Structured planks and laminate floorings

#### ADVANTAGES

- \* One component ready to use.
- \* Easy to trowel.
- \* Solvent free.
- \* No raising of floor levels due to batten fixing.
- \* Long working time up to 2 hours.
- \* Absorbs movement associated with seasonal climatic changes.
- \* Allows equalised stress transfer due to permanent elasticity.
- \* Can be used with underfloor heating system.
- \* Suitable for all timber types including beech.
- \* Odour free.
- \* Long shelf life.

#### Technical Data (typical)

<b>Colour:</b>	Beige
<b>Density:</b>	1.24 kg/litre
<b>Application temperatures &amp; humidity conditions:</b>	+15°C min, +35°C max (Substrate and ambient) RH 40% min, 75% max
<b>Consumption:</b>	0.7-1.0 kg/m <sup>2</sup>
<b>Service temperature range:</b>	-40°C to +80°C
<b>Cure rate:</b>	3.0 mm/day (+23°C / 50% RH)
<b>Working time:</b>	1-2 hours
<b>Sanding/loading:</b>	After 24-48 hours
<b>Substrate moisture content conditions:</b>	Wood floors are sensitive to moisture. The following table is intended as a guide. If in doubt install a <b>Sika®</b> moisture barrier system ie <b>Sikafloor® EpoCem®</b> or <b>Sika® Liquid Damp-proof Membrane</b> .

Permissible screed moisture contents (% by volume)		
Cementitious	Anhydrite	Magnesia
≤ 2.5%	≤ 0.5%	3-12% depending on the proportion of organic components
Permissible screed moisture contents containing heating strips		
≤ 1.8%	≤ 0.3%	3-12% depending on the proportion of organic components

All above values are approximate and dependant on temperature and thickness.

## SURFACE PREPARATION

Substrate to be bonded must be clean, dry, sound and free of dust, oil, grease or other contaminants.

Screeds, clay and stone surfaces may require mechanical preparation and vacuuming to produce a sound, firm, gripping surface.

Vinyl floor tiles should be fully bonded, cleaned and degreased.

## PRIMING

Excellent adhesion, without primer to concrete, cement screeds, tiles, timber and all mineral substrates.

For Anhydrite Screeds, the surface should be ground to remove surface laitance, vacuum cleaned and primed with **Sikafloor® 156 Primer**. (See separate Technical Data Sheet).

On Mastic Asphalt substrates a trial is advisable. Prime with two coats of **Sikafloor 156 Primer**. Final coat blinded with kiln dried quartz sand (0.1-0.3 mm).

Allow primer to dry before applying **SikaBond T54**.

## APPLICATION

- \* When using trowelable **SikaBond T54**, apply material directly out of the container and uniformly distribute onto the substrate.
- \* Spread the adhesive using a **SikaBond** serrated trowel.
- \* Within a maximum of 120 minutes of application, press the timber elements into the **SikaBond T54** adhesive, press firmly ensuring the contact face is fully bonded.

## IMPORTANT CONSIDERATIONS

- \* Do not bring **SikaBond T54** into direct contact with bitumen or asphalt. Mastic asphalt must be isolated with **Sikafloor 156** blinded with sand or a levelling compound.
- \* The laying instructions of the timber manufacturer/supplier must be adhered to at all times, especially clearance around walls and fixtures where wedges may be necessary.
- \* Special notice of substrate moisture content must be taken (see table for permissible screed moisture levels). If the moisture content is above recommended levels then further advice should be sought from timber manufacturers/suppliers .
- \* Remove uncured **SikaBond T54** from pre-finished strips/blocks/laminates using a clean cloth and if necessary use **Sika Thinner C**. Carry out a trial area on the timber flooring with **Sika Thinner C** to ensure staining or stripping of final floor finish is prevented.

## CLEANING

Clean tools immediately with **Sika Thinner C**. Hardened material may have to be mechanically removed.

Uncured **SikaBond T54** can be removed from hands using **Sika Hand Cleanser** or **Sikawipes**.

## PACKAGING

Refer to latest price list.

## CONSUMPTION

Minimum coverage rate of 0.5-0.6 kg/m<sup>2</sup>, onto an evenly prepared floor substrate, will cover approximately 21-25 m<sup>2</sup> (13 kg (10.5 litres) container). These figures do not allow for surface porosity, profile or wastage.

## STORAGE AND SHELF LIFE

12 months from date of production if stored in cool, dry conditions (@ +10°C to +25°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

Please consult our Technical Sales Department for further information

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