



# Sika® AcouBond® System

## ELASTIC BONDING AND ACOUSTICAL DAMPENING FOR WOOD FLOORS

- **SikaLayer®-03:** Dimensionally stable and pressure-resistant. Defined amount of adhesive consumption. Low weight for transport.
- **SikaBond®-T53:** 1 component, highly flexible ready-to-use polyurethane adhesive
- No limitations on maximum wood length. Bonds unlimited width solid and engineered planks directly to concrete substrates.
- 500% Elongation
- Fast curing for early green strength and superior holding power
- Extremely easy to install

### Packaging available

**SikaLayer®-03:** Roll 54.7 ft. x 4.92 ft. = 269 ft<sup>2</sup> (25 m<sup>2</sup>). 12 rolls per pallet

**SikaBond®-T53:** Unipacs 20 oz (600 ml) unipacs. 13.4 ft<sup>2</sup> per unipac. 20 unipacs per box

**Complete System:** Roll and Unipacs 269 ft<sup>2</sup> (1 roll of SikaLayer®-03 and 20 SikaBond®-T53 unipacs)

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# Sika® AcouBond® System

## ELASTIC BONDING AND ACOUSTICAL DAMPENING FOR WOOD FLOORS

### WHERE TO USE

The Sika® AcouBond® System is used to bond structurally sound solid and engineered hardwood in new construction and renovations in residential, office, and industrial buildings as well as sales and showrooms. It is commonly used over in-floor radiant heating and on grade cement and gypsum-based slabs. Field testing demonstrates unmatched sound reductions.

SikaLayer®-03: Specially designed, proprietary Polyethylene foam mat with symmetrically placed cutouts to insert adhesive to achieve a high sound dampening effect.

SikaBond®-T53: Bonds solid wood flooring up to 8" (18 cm) wide and engineered planks up to 14" (36 cm) wide directly to concrete substrates. No limitations on maximum wood length.

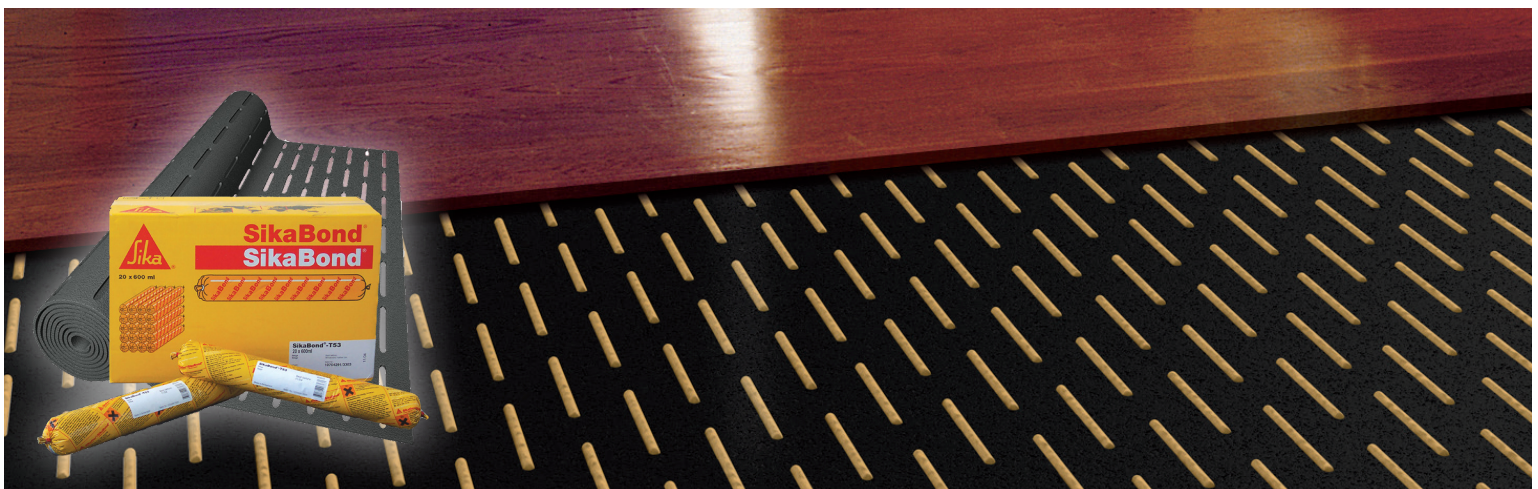
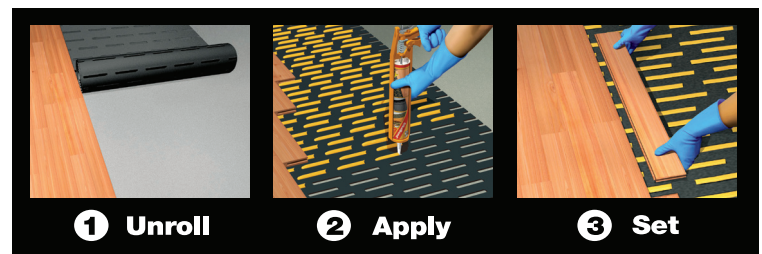
### TYPICAL DATA (Material and curing conditions @ 73°F (23°C) and 50% R.H.)

<b>Shelf Life</b>	SikaLayer®-03 - Stored in dry conditions: Unlimited SikaBond®-T53: 12 months from date of production if stored in undamaged original sealed containers
<b>Chemistry</b>	SikaLayer®-03: Polyethylene Foam SikaBond®-T53: Polyurethane
<b>Coverage</b>	Roll and Unipacs 269 ft <sup>2</sup> (1 roll of SikaLayer®-03 and 20 SikaBond®-T53 unipacs)
<b>Thickness/Cut Outs</b>	1/8 in. (3 mm)/Cut-Outs 5.6 cuts/ft <sup>2</sup> (60 cuts/m <sup>2</sup> )
<b>Tack-free Time</b>	45-60 minutes at 73°F (23°C) and 50% RH
<b>Cure Time</b>	Light foot traffic after 6-8 hours Can be sanded after 24 hrs (final strength after 72 hrs)
<b>Tensile Strength</b>	174 psi, cured at 73°F(23°C) and 50% RH
<b>Shore "A" Hardness</b>	40 after 28 days at 73°F (23°C) and 50% RH
<b>Elongation at Break</b>	500%, cured at 73°F (23°C) and 50% RH
<b>VOC</b>	48.3 (g/L)

### FEATURES AND BENEFITS

- No limitations on maximum wood length. Bonds unlimited width solid and engineered planks directly to concrete substrates.
- 500% Elongation
- Fast curing for early green strength and superior holding power
- Extremely easy to install
- Structurally bonds wood flooring to the subfloor
- Eliminates the extensive labor of installing cork underlayments
- No need for sleepers and plywood over concrete- and gypsum-based subfloors
- Innovative walk-on work method
- Can reduce overall installation costs up to 30%
- Suitable for bonding wood floors directly onto old ceramic tiles
- Reduces stress on the substrate
- Independently tested to - IIC 59 (ASTM E 492) and STC 60 (ASTM E 90) (6" concrete slab, 5/8" suspended gypsum ceiling)
- Independently field tested to - FIIC 59 (ASTM E 1007) and FSTC 59 (ASTM E 336)(8" concrete slab, no suspended ceilings)
- Reduction of Impact Sound  $\Delta$  IIC = 24 (ASTM E 2179)

**NOTE:** Always refer to Current Product data Sheet and SDS for detailed performance specifications prior to use.



## FOR MORE INFORMATION:

Contact Sika: Phone 800.933.SIKA(7452) Website: [www.usa.sika.com](http://www.usa.sika.com)

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