

Technical Data Sheet  
WAKOL TS 145 Sound  
Dampening Underlayment

**WAKOL**®  
Pursuing excellence unites



- Easy to install
- Excellent sound protection
- For glue down installation
- For floating installation



### Specifications

Raw material base: Permanently elastic composition of rubber granulate

Type: Rubber underlayment for sound proofing and thermal insulation of residential and commercial buildings underneath wood and resilient flooring

Color: Black

Odor: None to negligible

VOC Content: 0 g/l US regulatory

Shelf Life: Minimum 5 years (store rolls upright)

Sound Reducing: STC (ASTM E90) up to 66  
IIC (ASTM E492) up to 63

Unit Size: 120 sqft/roll

Thickness: 5 mm

Unit Weight: 97.2 lbs. ea.

Units per pallet: 20 rolls

Item Number: WA-FL-091

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### **Important Information**

Jobsite conditions must meet the NWFA, ASTM, and/or RFCI Guidelines. Doors and windows must be installed and the HVAC running to simulate the living environment climate conditions at work site: 60°F to 75°F (15°C to 24°C), 40% to 75% relative humidity. Acclimate materials to acceptable jobsite conditions.

If a moisture barrier or primer is needed prior to the installation with WAKOL TS 145 Sound Dampening Underlayment, use WAKOL PU 280 Moisture Barrier or WAKOL MS 330 Moisture Barrier exclusively.

WAKOL TS 145 Sound Dampening Underlayment can be used above grade, on grade, and below grade. Do not use on subfloors with excessive moisture or hydrostatic pressure

Sound Reducing:

- STC (ASTM E90) up to 66
- IIC (ASTM E492) up to 63

**Recommended Use** – On properly prepared absorbent and non-absorbent subfloors

- Commercial / Residential
- Interior
- Wood flooring up to 8" wide with tongue and groove
- Engineered wood flooring
- Engineered cork flooring with HDF/MDF carrier
- Laminate
- LVT / LVP

### **Subfloors / Substrates**

All surfaces must meet the NWFA, ASTM, and/or RFCI Guidelines. All concrete surfaces must meet ASTM F710 standards. They must be permanently dry, smooth, and flat. They must be structurally sound, solid, well fastened, clean and free from dust, oil, grease, paint, wax, old adhesive. Mechanically remove parting compounds, surface hardeners and sealers which are known to interfere with the bond of the product to concrete, as well as loosely bonded toppings, primers or any other deleterious substances that may prevent or reduce adhesion.

### Concrete

Concrete floors must be constructed, finished, and cured (minimum 30 - 60 days) in accordance with the American Concrete Institute (ACI) 302 "Guide for Concrete Floor and Slab Construction" (Class 2 or 4) with a minimum compressive strength of 3,500 psi (246 kg / cm<sup>2</sup>).

- Before starting installations on concrete subfloors, moisture test must be conducted. Emission of moisture through the subfloor should not exceed 3 pounds / 1,000 sqft / 24 hours (ASTM F1869) or 80% rH (ASTM F2170).

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Gypsum (and other moisture sensitive substrates)

Gypsum underlayment must meet the minimum compressive strength requirements of the floor covering being installed. Loose, friable, or dusty gypsum can be consolidated/solidified by application of a single coat of WAKOL PU 280 Moisture Barrier.

Wood subfloors / underlayment

OSB, plywood, particle board and wooden planks which are approved from the manufacture as underlayment for resilient flooring installation. Confirm minimum total thickness of wood substrates required by the floor covering manufacturer.

Terrazzo and ceramic tiles

Existing terrazzo and ceramic tiles must have full adhesion to the subfloor. Remove all residues of maintenance products and other materials that may inhibit a good adhesion. Abrade subfloor with 40 or 60 grit sandpaper to ensure a mechanical bond.

Leveling compounds

Rough surfaces must be treated with Wakol approved Leveling Compounds. Please check Technical Data Sheet for details. Alternative leveling compounds may be used if approved by the floor covering manufacturer.

WAKOL PU 280 Moisture Barrier or WAKOL MS 330 Moisture Barrier

NOTE: WAKOL PU 280 Moisture Barrier and WAKOL MS 330 Moisture Barrier will create a non-absorbent substrate. Observe instructions below for non-absorbent substrates.

**Application and Coverage\***

WAKOL TS 145 Sound Dampening Underlayment must be fully glued down to the subfloor. Place the rolls on a 90° angle to the laying direction of the wood or cork flooring.

For gluing WAKOL TS 145 Sound Dampening Underlayment and wood flooring, use WAKOL PU 225 Wood Flooring Adhesive. As an underlayment only under LVT flooring, WAKOL D 3320 Resilient Adhesive can be used to glue down additionally.

Unroll the underlayment and cut it to the desired length. Lay it loosely over the area to be installed, with both ends of the roll curling down towards the subfloor. Pull the loosely laid material back at least half the length of the roll. Spread adhesive evenly and uniformly using the recommended trowel. Gently return the pulled back material and roll in both directions with a 100-pound roller. Repeat this procedure for the other half of the roll. Allow the adhesive to cure completely before installing the wood or cork flooring. Install the flooring with the recommended adhesive directly over the underlayment.

For LVT flooring installations on top of WAKOL TS 145 Sounds Dampening Underlayment, use WAKOL D 3320 Resilient Adhesive with the pressure sensitive method. Check MSDS for further details.

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**Symbols**



<https://www.wakol-usa.com/symbol>

**Disclaimer**

The responsibility of the suitability of Wakol products for each individual case cannot be assumed, as the manufacturer has no influence on the proper application of the product by the installer and/or contractor. The directions for use were established based on research, experience and tests believed reliable. Any liability on the part of the seller cannot be derived therefrom. Verbal information is subject to written confirmation.

All Wakol Technical Data Sheets can be found at [www.loba-wakol.com](http://www.loba-wakol.com).

This Technical Information of 11/15/2023 supersedes all previous versions.

For Technical support contact Loba-Wakol, LLC at 800.230.6456 (extension 2) or by e-mail at: [technical@loba-wakol.com](mailto:technical@loba-wakol.com).