

Technical Data Sheet
**WAKOL TS 160 Sound
Dampening Mat**

WAKOL®
Pursuing excellence unites



- Direct bond between wood flooring and subfloor
- Light weight and low structural height
- Can be used directly over WAKOL PU 280 Moisture Barrier or WAKOL MS 330 Moisture Barrier
- Easy to install
- Excellent sound protection
- For glue down and sound proofing all-in-one



Specifications

Raw material base: Polypropylene, aluminum laminated

Type: Polypropylene foam mat with aluminum top side for sound proofing of residential and commercial buildings underneath wood flooring

Color: Silver

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 61
IIC (ASTM E492) up to 65
 Δ IIC - 23

Unit Size: 160 sqft/roll

Thickness: 3 mm

Unit Weight: 4.2 lbs. ea.

Units per pallet: 12 rolls

Item Number: WA-FL-026

590602US00 1123 WAKOL TS 160 Sound Dampening Mat

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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 160 Sound Dampening Mat, use WAKOL PU 280 Moisture Barrier or WAKOL MS 330 Barrier exclusively.

WAKOL TS 160 Sound Dampening Mat 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 61
- IIC (ASTM E492) up to 65
- Δ IIC - 23

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

- Commercial / Residential
- Interior
- Wood flooring between 2" to 8" wide with tongue and groove and minimum of 3 foot in length
- Engineered wood flooring with minimum of 3 foot in length
- Engineered cork flooring with HDF/MDF carrier

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 / cm²).

- 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*

Lay WAKOL TS 160 Sound Dampening Mat loosely with aluminum side facing up. Place the rolls with the cut outs on a 90° angle to the laying direction of the flooring.

Fill the cut outs with WAKOL MS 262 Wood Flooring Adhesive, firm-flexible (20 oz. sausage). Use the WAKOL applicator with the V-tip nozzle at right angle to the cut outs. Do not fill more cut outs than you are able to cover with flooring within the working time of the adhesive.

Install flooring perpendicular to the cut outs into the wet adhesive and press firmly. Occasionally lift a piece of wood or cork flooring to assure an optimal adhesive transfer.

No traffic on installed areas allowed within the first 6-8 hours. Full traffic is allowed after complete curing of the adhesive (24-48 hours depending on room temperature).

Allow for expansion and control joints. Clean tools and equipment with WAKOL RT 5960 Cleaning Towels before adhesive dries. Dried adhesive can be easily removed manually.

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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.

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.