

Technical Data Sheet  
WAKOL RP 104 Decoupling Sheet



- Covers cracks
- Easy to install
- Excellent sound protection
- For glue down installation
- Suitable for radiant heated floors



### Specifications

Raw material base: Polyester fiber mixture  
Type: Polyester fiber sheet for decoupling and sound proofing of residential and commercial buildings underneath wood flooring  
Color: Light grey  
Odor: None to negligible  
VOC Content: 0 g/l US regulatory  
Shelf Life: Minimum 5 years  
Sound Reducing: STC (ASTM E90) up to 62  
IIC (ASTM E492) up to 62  
 $\Delta$ IIC - 20  
Unit Size: 6 sqft/sheet  
Thickness: 4 mm  
Unit Weight: 3.70 lbs. ea.  
Units per pallet: 150 pieces (10 boxes with 15 pieces each)  
Item Number: WA-FL-067

590402US00 1123 WAKOL RP 104 Decoupling Sheet, 4 mm

Loba-Wakol, LLC | 2732 HWY 74 W | Wadesboro, NC 28170 | T: 800.230.6456 | F: 704.527.5922 | [www.loba-wakol.com](http://www.loba-wakol.com)

### 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 RP 104 Decoupling Sheet, use WAKOL PU 280 Moisture Barrier or WAKOL MS 330 Barrier exclusively.

WAKOL RP 104 Decoupling Sheet can be used above grade, on grade, and below grade. Do not use on subfloors with excessive moisture and hydrostatic pressure.

Sound Reducing:

- STC (ASTM E90) up to 62
- IIC (ASTM E492) up to 62
- ΔIIC - 20

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

- Commercial / Residential
- Interior
- 3/4" solid wood flooring without limitations
- Engineered wood flooring
- Approved under Wakol Leveling Compounds for installation of resilient flooring

### 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).

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 RP 104 Decoupling Sheet must be fully glued down to the subfloor using a firm setting Wakol wood flooring adhesive (example: WAKOL MS 260 Wood Flooring Adhesive, firm-flexible, WAKOL MS 290 Wood Flooring Adhesive, firm, WAKOL PU 225 Wood Flooring Adhesive, WAKOL PU 385 Wood Flooring Adhesive, shear-resistant).

The sheets can be cut by using a razor knife, jigsaw, circular saw, or angle grinder (diamond cutting disc).

Allow 3/8" expansion at all vertical obstructions.

For installation of wood flooring, you can start with the installation of the wood flooring as soon as the installed sheet can be walked on without being displaced. If WAKOL RP 104 Decoupling Sheet must be leveled, a drying time of 12 hours minimum must be observed.

For installation of resilient flooring, approved Wakol Leveling Compounds can be applied directly to WAKOL RP 104 Decoupling Sheet at 1/8" (3mm) minimum thickness. Leveling compound must be completely dry before installation of floor covering.

For sound reduction, if a leveling compound is going to be applied, all seams must first be filled with WAKOL MS 245 Montinator or WAKOL MS 246 StarMonti.

## 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).