

WAKOL PU 280 Moisture Barrier

Product Data Sheet

Description

One component moisture barrier and primer for porous and non-porous subfloors and for solidifying soft subfloor surfaces.

WAKOL PU 280 Moisture Barrier is a premium moisture barrier for “green” concrete slabs and for concrete with residual moisture prior to installation of wood and cork flooring.

One coat of WAKOL PU 280 will block moisture in concrete slabs up to 12 lbs/1000sqft/24 hour (Calcium Chloride Test) or up to 90% rH (ASTM F 2170-02 in situ Test)

Two coats of PU 280 will block moisture in concrete slabs up to 18 lbs/1000sqft/24 hours (Calcium Chloride Test) or up to 95% rH (ASTM F 2170-02 in situ Test)

Two Coats of WAKOL PU 280 Moisture Barrier can also be used to block moisture up to 6 lbs/1000sqft/24 hours (Calcium Chloride Test) or up to 85% rH (ASTM F 2170-02 in situ Test) over radiant heat.

Special Features

- Zero VOC
- Solvent free, Water free
- No Mixing required
- Easy to spread
- Fast Curing
- Water resistant when cured
- For radiant heated floors
- Excellent coverage



Properties

Base:	Polyurethane resin
VOC content:	none
Cleaning agent:	Mineral spirits before primer cures
Application:	use Loba microfibre roller # 60-80 or # 120
Coverage:	approx. 400 sq ft / gal per coat
ASTM E 96-05:	WVT 0,138 g/m ² x h, approx. 7,9 mils Permeance (perms) 0,47 approx. 7,9 mils

Jobsite Conditions: should be according to NWFA recommendations. Doors and windows should be installed and HVAC running to simulate the living environment conditions at work site. 60°F/15°C to 75°F/24°C, 40% to 65% relative humidity

Curing: Curing takes approximately 40-50 minutes

Leeds: Leeds Credit under 4.1

Subfloors

All surfaces shall be dry, smooth and level. They must be structurally sound, solid, well fastened, clean and free from dust, oil, grease, paint, wax, old adhesive. Check for curing and parting compounds, surface hardeners and sealers which are known to interfere with the adhesive bond to concrete, as well as loosely bonded toppings, primers or any other deleterious substances that may prevent or reduce adhesion.

Prior to the installation check any subfloor properly according to NWFA guidelines.

Do not use WAKOL PU 280 Moisture Barrier on subfloors with hydrostatic pressure.

Application

Apply each coat of the primer by using Loba® Micro #60-80 or 120 Roller evenly and without puddling or dry spots.

When applying two coats it is recommended to apply one coat and the second coat perpendicular to the first to ensure complete coverage with no dry spots or puddling. Each coat must form a thin and entirely closed layer.

When applying one coat it is also recommended to spread the primer in a cross directional action on the floor to avoid dry or missed spots.

The following Adhesives are approved for direct glue down on WAKOL PU 280 Moisture Barrier:

WAKOL PU 225 Wood Flooring Adhesive

WAKOL MS 230 Engineered Wood Flooring Adhesive

WAKOL MS 260 Wood Flooring Adhesive, firm flexible

WAKOL MS 265 Wood Flooring Adhesive elastic

WAKOL MS 290 Wood Flooring Adhesive, firm

Install flooring with within 24 hours after WAKOL PU 280 Moisture Barrier after it is cured. Install cork flooring with natural cork backing with WAKOL MS 260 Wood Flooring Adhesive.

If leveling of the subfloor is required, apply WAKOL D 3045 Special Primer on top of WAKOL PU 280 Moisture Barrier within 24 hours after WAKOL PU 280 Moisture Barrier is cured. Allow WAKOL D 3045 Special Primer to dry for 1 hour prior to applying leveling compound. Alternative to WAKOL D 3045 Special Primer apply an additional coat of WAKOL PU 280 Moisture Barrier and spread sprinkling sand before the primer is cured. After the primer is cured, at least 2 hours, sweep and vacuum the surplus sand.

General Information

Do not use primer below grade with hydrostatic pressure. Acclimatize materials during cold periods properly.

Whenever possible, test areas are recommended, to ensure the suitability of the product for the intended use. This should include the floor finishing / covering.

Disclaimer

The responsibility of the suitability of the primer for each individual case cannot be assumed, as the manufacturer has no influence on the proper application of the adhesives by the installer and or contractor. The directions for use were established on the basis of 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.

The product data sheets can be found in their latest version at www.wakol-usa.com.

This Technical Information of 09.10.2012 supersedes all previous versions.