

# WAKOL PU 225 Wood Flooring Adhesive

## Product Data Sheet

### Description

Solvent free 2-component polyurethane adhesive for the interior installation of solid and engineered wood flooring such as solid strip, plank, parquet and engineered wood plank.

### Special Features

- Superior bonding strength
- Suitable for chair casters
- For radiant heated floors
- Easy to spread
- Long working time
- Water resistant when cured

### Properties

|                                  |                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Base:                            | polyurethane resin and hardener                                                                                                                                                                                                                                                                                                                              |
| VOC content:                     | none                                                                                                                                                                                                                                                                                                                                                         |
| Cleaning agent                   | Mineral spirits before adhesive cures                                                                                                                                                                                                                                                                                                                        |
| Mixing ratio (by weight)         | 8 parts component A + 1 parts component B                                                                                                                                                                                                                                                                                                                    |
| Open time:                       | none, no waiting time required                                                                                                                                                                                                                                                                                                                               |
| Working time:                    | approx. 35 - 40 minutes                                                                                                                                                                                                                                                                                                                                      |
| Trowels and coverage:            | Solid parquet trowel WAKOL B3<br>coverage approx. 65 - 70 sq ft / gal<br><br>Solid 2 1/4" strip trowel WAKOL B3 or WAKOL B5<br>coverage approx. 60 – 65 sq ft / gal.<br><br>3" and wider plank and engineered wood plank trowel WAKOL B5<br>or WAKOL B11<br>coverage approx. 50 – 60 sq ft / gal.<br><br>Adhesive transfer to wood floor backing minimum 90% |
| Climate conditions at work site: | 60°F to 75°F, 40% to 65% relative humidity                                                                                                                                                                                                                                                                                                                   |
| Curing time:                     | Curing takes 24 to 48 hours depending on room climate on job site                                                                                                                                                                                                                                                                                            |

Shelf life: 12 month in unopened container at 70 °F

## Subfloors

All surfaces shall be clean, dry, smooth and level. They must be structurally sound, solid, well fastened, clean and free from dust, oil, grease, paint, wax or old adhesive. Check for curing 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 substances that may prevent or reduce adhesion.

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

### New concrete:

New concrete floors should 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, a moisture testing must be conducted. The Anhydrous Calcium test (calcium-chloride) has been designed to produce qualitative and quantitative results. For direct installations emission of moisture through the subfloor should not exceed 3 pounds / 1,000 sq.ft. / 24 hours. For installations on moist concrete subfloors with moisture emission up to 18 pound / 1.000 sq ft / 24 hours apply WAKOL PU 280 Moisture Barrier in 2 coatings prior to the installation of the wood flooring.

Alkali salts can be carried to the surface of concrete subfloors during curing or where excessive moisture conditions exist. These deposits can create adhesive bond failures. The suitability of the slab can be determined with the use of pH testing paper or sticks. It is suitable to install the flooring if the pH is under 10.

### Wood subfloors / underlayments:

Preferred underlayments, such as plywood, particle board with 40 lb. per cu. Ft. density, and OSB (oriented strand board) should have the APA trademark and be recommended or guaranteed by the underlayment's manufacturer or the wood flooring's manufacturer. The subfloor over which the underlayment will be installed must be clean, smooth, dry, properly fastened and free of joint swelling, warping or delamination, multiply and teckly underlayments have been approved as is APA – AC/BC EXTERIOR.

### Other subfloors:

Existing cement terrazzo and ceramic tiles must have full adhesion to the subfloor. Remove all residues of maintenance agents and other materials that may cause an adhesion failure.

## **Application**

Mix both components (A and B) thoroughly for min. 3 minutes using a power mixer. Keep mixing until a homogenous color is achieved.

Spread adhesive evenly and uniformly using the recommended trowel. Lay wood flooring into wet adhesive and press firmly. Occasionally lift a piece of wood flooring to assure an adhesive transfer of minimum 90%.

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

Provide for expansion and control joints.

Clean tools with mineral spirits before adhesive cures. Ensure that the finished surface of the flooring is not harmed. Adhesive is extremely difficult to remove once cured.

## **General Information**

Do not use adhesive below grade with excessive moisture or hydrostatic pressure. Acclimatize materials during cold periods properly.

## **Disclaimer**

The responsibility of the suitability of the adhesive 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.