POWER-MASTIC® PUM 950

STAUF®
WOOD FLOORING ADHESIVES | USA

URETHANE BASED WOOD FLOORING ADHESIVE

PATENT PENDING

PRODUCT DESCRIPTION

STAUF PUM-950 Power-Mastic provides a tremendous improvement for urethane adhesives. It is a urethane based, high strength adhesive for professional wood flooring installation. But unlike other urethane adhesives, it contains no isocyanates, the primary chemical in other urethane adhesives that will etch fine floor finishes and is a suspected carcinogen. Nor does it contain any solvents or other hazardous materials. It is therefore safe for the ozone and environment. And it is certified to meet some of the toughest "green" product requirements in Europe and in the world.

Long open time allows for easy installations. Since there is no water or solvent present, it will not cause dimensional changes to wood flooring at installation. It has twice the shear strength of competitors, so it grabs, holds and keeps wood floors in place. This adhesive is waterproof when fully cured and will not dissolve if it gets wet; however, it will not prevent moisture-related damages to wood flooring. This adhesive has earned the highest GEV-EMICODE EC 1 ranking by the European Association for Control of Emissions for Flooring. See www.emicode.com for information.

GEV-EMICODE® EC 1 Very low emission

CERTIFIED GREEN

PRODUCT FEATURES

General Features:

- Contains no isocyanates to etch floor's finish
- Contains no water
- Twice the shear strength of competitors
- Contains no solvents
- Contains no VOC
- Certified "green"
- Certified "very low emission"
- Nonflammable
- Ozone friendly
- Freeze/thaw stable

Installation Features:

- Wet lay - no flash time required
- Strong green grab
- Non-slump formula
- Bridges normal sub floor variations
- Very low odor
- Cleans with acetone or mineral spirits
- No rolling required
- Excellent spread rate
- Long open time
- Spreads easily
- Higher temp & RH will shorten drying time
- No risk of sensitization

Long Term Features:

- Resistant against aging
- Remains elastic
- Suitable for radiant heat systems with primer
- Allows normal dimensional changes in wood flooring
- Adhesive is waterproof when cured
- No health hazards
- Eliminates hollow spots

OPEN TIME

	+50 °F	+70 °F	+90 °F
30% Humidity	2 1/2 hours	1 3/4 hours	1 hour
50% Humidity	2 hours	1 1/4 hours	50 mins.
80% Humidity	1 1/2 hours	1 hour	45 mins.

PRODUCT USAGE

Approved Flooring:

- Engineered Flooring, 1/4"- 3/4", any width
- Strip Flooring, Solid, 5/16"- 3/4", up to 3" wide
- Solid Shorts and Planks 1/2"- 3/4", any width
- Parquet
- Bamboo Flooring (except Stranded Bamboo)
- Solid Wood Flooring must be straight and flat

Approved Sub Floors:

- Concrete slabs
- OSB, Plywood, Particle or Chipboard (underlayment grade)
- Old floors with adhesive residues, sanded
- Vinyl, well bonded
- Ceramic Tiles
- Stone, Terrazzo
- Cured Leveling Compounds
- Radiant heated sub floors

Approved Trowels:

- Trowel #14 (Solid & Engineered Floors): up to 85 SF/gal
- Trowel #3 (Parquet Floors): up to 70 SF/gal
- Trowel #15 (Underlayments): up to 100 SF/gal

Packaging Size:

- 3 Gallon plastic pail
- 3/4 Gallon plastic pail

Suitable Primers:

- Primer is normally not required
- STAUF AQP-200 Eco-Prime

Suitable Sealers:

- STAUF ACS-210 True-Seal
- STAUF ERP-270 Epoxy-Prime

Shelf Life:

- 12 months in original unopened container

WILL NOT ETCH FINISH

POWER-MASTIC® PUM 950

STAUF®
WOOD FLOORING ADHESIVES USA

INSTALLATION PROCEDURE

Pre-Installation Checklist:
A successful installation requires proper preparation of the sub floor. Read and understand all applicable guidelines and technical data sheets before beginning installation. Follow industry standards and flooring manufacturer's recommendations for sub floor moisture content, design, layout and application of flooring materials. All slab constructions must meet the specific requirements of the floor covering to be installed.

Sub Floor Examination:
Prior to proceeding, the sub floor must be checked according to NWFA installation guidelines. It must be solid and sound, flat, permanently dry, clean, free of chaps, indentations and antiadherents as well as resistant to pressure and tension.

Moisture content of concrete sub floors must be measured before installation. Moisture content must be below 3#/24hrs/1,000 sq. ft. using the Calcium Chloride Test.

Sub Floor Preparation:
Depending on type and condition of subfloor, a mechanical treatment (e.g. mechanical brushing, grinding, or sanding) may be required. Intensity of such work needs to be determined at site. Dust, paint, residual adhesives or other surface pollution must be removed by suitable means. We recommend cleaning the surface with an industrial vacuum cleaner. With the exception of expansion joints, all cracks and gaps must be filled with concrete crack filler CCF-30. Level when necessary to 3/16" within 10'. Heated sub floors must be primed. Please refer to our technical information on sub floor preparation.

Installation:
Wood flooring must have 7-9% MC and no more than 5% variance in MC with any wood sub floor. Spread the adhesive with the appropriate notched trowel. Avoid excessive adhesive thickness by passing the trowel through the adhesive at a 45˚ angle. Lay the wood floor into the adhesive, correctly position it and press down firmly.

USAGE & ACCIDENT INFORMATION

Please refer to our technical data sheet and MSDS for information. **See website at www.staufusa.com** .

LIMITATIONS

When using other than Stauf products in combination with Stauf adhesives, we deny any and all responsibility for any ensuing problems and/or damages without prior written permission from Stauf.

- Do not install solid wood below grade.
- Do not use on concrete with curing agents or sealers except Stauf ACS-210 or Stauf ERP-270.
- Do not use on damp sub floors.
- Do not install wood flooring with moisture reading above 9%.
- Do not use as leveling material. This adhesive will not prevent moisture-related damages to wood flooring.

ADHESIVE PROPERTIES

Cure Time until Normal Traffic
- between 24 and 48 hours

Clean-up
- Use acetone or mineral spirits while wet or dried
- Will not etch floor finish

Temperature Range During Installation
- 50˚ - 90˚F

Relative Humidity Range During Installation
- 30% - 80%

Weight (lbs./gal.)
- 13.6

Color
- Grey

Shear Strength
- 391 psi (2.7 N/mm^2)

STORAGE & TRANSPORT

Place lid on pail tightly. Store pail in cool dry place.