



PALLMANN P5

Solvent and water-free, flexible STP hybrid-adhesive for wood flooring

Description

PALLMANN P5 is a 1-component moisture cured STP (Silane Terminated Prepolymer) hybrid adhesive that combines the powerful flexibility of a PU (polyurethane) adhesive with the advantages of modern MS (modified silane) technology. With an extremely hard yet flexible ridge, this unique product develops high bond strength yet dissipates shear forces and reduces their damaging effect to the substrate.

Three essential points characterize this product:

1. Hard yet flexible ridging produces superior bond strength and low shear stress.
2. Develops very fast, high-suction grab while still providing good working time.
3. Smooth consistency provides excellent spreadability.

Recommended for the installation of/for:

- Prefinished and unfinished engineered wood flooring
- Solid tongue and groove strip and plank
- Exotic species
- Wood flooring on radiant heat systems
- Wood flooring on most subfloors with adequate strength such as concrete, fortified gypsum concrete, plywood, OSB.

Features

- 1-component
- Tuned flexibility
- Fast, high suction grab
- Excellent ridge formation and stability
- Smooth, buttery consistency
- Will not damage or affect finish
- Suitable for most sound substrates
- Solvent and water-free
- EMICODE EC 1 R PLUS

Technical Data

Packaging:	3 gal. metal pail
Stability:	Min. 9 months
Color:	Beige
Coverage Rate:	65 sq. ft per Gal/195 sq. ft. per pail (using UZIN B11 notch trowel)
Working Temperature:	Min. 60° –85°F (15° –25°C); min 60°F at floor level
Working Time:	Approx 30 to 40 minutes*
Load Bearing:	After approx. 24 hours*
Sanding/Finishing:	After approx. 24 hours*
Final Strength:	After 5 – 7 days*
Freeze/Thaw Stable:	0°F and above
VOC Content:	Does not exceed 40 grams per liter. P5 is a LEED contributing product (IEQ credit 4.1).

*At 70°F and 65% rel. humidity.

Benefits

- No mixing required
- Delivers exceptional bond strength and low shear stress
- Promotes fast, aggressive, wet lay wood floor installations
- Promotes proper adhesive transfer and board positioning
- Easy, effortless troweling
- Adhesive residues can be easily removed
- Bonds well to concrete, fortified gypsum concrete, plywood, OSB, and properly prepared leveling and patching compounds
- No swelling effect on wood
- Very low emission PLUS



WILL NOT
HARM
FINISH



PALLMANN

wood floors. protected

Pallmann P5 Directions for Use:

BEFORE USING READ ALL DIRECTIONS AND MATERIAL SAFETY DATA SHEETS. This product meets or exceeds all state and federal clean air quality standards and reflects our commitment to personal health, indoor air quality and the environment. Call UFLOOR Systems Inc. before using for technical advice if needed. (1-866-505-4810).

SUBSTRATE PREPARATION

The substrate must be flat and level, sound, free from cracks, dry, clean and free from materials which would impair adhesion (dirt, oil, grease, curing agents and sweeping compounds). Thoroughly brush, abrade, grind or shot-blast to remove weakly-bonded or soft surface areas. Thoroughly vacuum off any loose material or dust. Prime absorbent, porous surfaces with Pallmann P104 Primer. Refer to the Pallmann P104 or Pallmann P108 product data sheet for procedures regarding substrate moisture mitigation. On substrates that conform to standards and are suitable for wood floor installation, the use of a primer is not necessary. All substrates should be tested for moisture content and moisture vapor emission levels before applying adhesive. Refer to NWFA substrate moisture testing procedures and applicable ASTM slab moisture testing standards.

For wood or concrete substrates that do not meet industry standards for flatness or level please refer to Pallmann primer and leveling product data sheets. For priming very uneven or rough surfaces we recommend using Pallmann P106 universal primer and apply Pallmann P25 leveling compound to a min. 1/8" thickness to achieve improved surface levels according to manufacturer's requirements.

APPLICATION

1. Allow the contents of the containers to come to room temperature before use. After opening, peel the film cover from the surface and, if necessary, remove any surface skin that has formed. Do not mix in the skinned-over product.
2. Apply the adhesive evenly onto the subfloor using an Item #52900 U.S. B11 notched trowel or equivalent. Only apply as much adhesive as can be covered within 30 to 40 minutes. Lay the wood flooring into the adhesive bed with a light twisting motion and press or tap into place. Ensure full adhesive transfer to the back of the wood flooring.
3. Using spacers, allow a gap of approx. 3/4" between the wood flooring and walls for expansion (depending on wood species, flooring type and specific manufacturer's recommendations). Remove spacers immediately after installation and clean any adhesive residues with Pallmann/ UZIN Clean Box wipes.

Spread Rate

Type of Wood Flooring	Notch Size	Spread Rate
Mosaics/parquet or smooth back engineered and underlayment	B3	Approx. 70 sq. ft./Gal
3/4" strip or plank up to 7"; prefinished, unfinished or engineered with relief back	B11	Approx. 65 sq. ft./Gal

IMPORTANT NOTES

- Shelf life minimum 9 months in original packaging when stored in cool, dry conditions. Protect from frost. In opened containers, fully cover the adhesive with the film and use as quickly as possible.
- Optimum working conditions are 65°–80°F/18°–25°C, 65% relative humidity. If optimum working conditions and industry standards are met, the floor can be sanded and finished after 24 hours.

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT PRECAUTIONS

CAUTION: Keep out of reach of children. Keep container tightly closed during storage. Curing gives off trace amounts of methanol. Provide good ventilation during use and avoid skin or eye contact. The use of protective gloves (rubber) and safety glasses is recommended. When working in small, enclosed or unventilated areas, a properly fitted respirator (NIOSH / MSHA APPROVED) is recommended.

FIRST AID: In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with large amounts of water for at least 15 minutes and seek medical attention. If swallowed, seek medical attention immediately. In case of accident or if you begin to feel ill, seek medical attention immediately (show product label if possible).

Observe safety information on product label as well as material safety data sheet (MSDS). Once cured, has a neutral odor and presents no physiological or ecological risk. EMI CODE EC 1 R PLUS - very low emission PLUS

DOT UN-Number: Not regulated

Hazard Class/PG: Not regulated

DISPOSAL

Dispose of empty packaging according to local, state and federal regulations. Where possible, collect product residues and reuse. Do not allow into drains, watercourses or landfill. Empty, drip-free metal containers are recyclable. Collect any remaining waste material, allow to harden, then dispose of as Construction Waste.

CLEAN-UP

Remove adhesive spills immediately from flooring surface using Pallmann Clean Box wipes.

The above information is based on our experience and careful investigations. The variety of associated materials and different construction and working conditions cannot be individually checked or influenced by us. The quality of your work depends on your own professional judgement and product usage. If in doubt, conduct a small test or obtain technical advice. Observe the installation recommendations of the covering manufacturer. The publication of this Product Data Sheet invalidates all previous Product Information.

