



PALLMANN P25



Self-leveling, rapid setting underlayment and smoothing compound with Level Plus Effect designed for wood floor installations.

Description

Universal, self-leveling underlayment and smoothing compound designed for wood floor installations.

Suitable for/on:

- Producing level, absorbent, flat and smooth surfaces for hardwood flooring
- A smoothing layer over structurally sound solid concrete in new construction or renovation projects above, on or below grade. Lightweight concrete must have a minimum compressive strength of 3000 psi and 75 lbs. surface density.
- A smoothing layer over existing hard surface flooring such as well-bonded terrazzo, ceramic tile, stone and epoxy coatings
- New, sound, OSB underlayment or equally rated subfloor materials
- Existing substrates such as thin and dense non water-soluble adhesive residues on concrete including asphalt mastic residues
- High stress loads in residential, commercial and industrial locations such as hospitals, shopping centers, industrial facilities, etc.
- Radiant floor heating systems

Product Properties

Highly plasticized premium leveling compound with special raw material technology known as the Level Plus Effect. The Level Plus Effect with super-polymers provides exceptional flow characteristics and a surface structure promoting an increased adhesive coverage rate. The special advantage of PALLMANN® P25 is the ideal combination of multipurpose use, the best application properties, highest strength development and load bearing capacity.

Composition: Special cements, mineral fillers, polyvinyl acetate copolymers, flow agents and additives.

Features

- Level Plus Effect
- 1/16" – 1" depth range
- Pumpable
- Fast setting
- Low stress
- Shear resistant under wood flooring
- Overwatering stability
- Very high compressive and tensile strength
- EMICODE EC 1 R PLUS / Very low emission PLUS
- Optimized aggregate size
- Long working time

Technical Data

Packaging:

Shelf-Life:

Water Quantity Required:

Color:

Coverage Rate:

Working Temperature:

Working Time:

Set to Foot Traffic:

Ready for Covering:

Compressive Strength:

Flexural Strength:

*At 70°F (21°C) and 65% relative humidity

Benefits

- Superior flow characteristics
- Versatile, can be extended with sand
- Minimizes time and effort
- Accelerates floor covering installation
- Ability to cover difficult substrates
- Suitable for all glue-down wood applications
- Extended safety range for mixing
- Exceeds most floor covering manufacturer recommendations
- Greater jobsite flexibility
- Designed for exceptional wood floor adhesive bonding
- Very user friendly



PALLMANN®

wood floors. protected

PALLMANN P25 Directions for Use:

BEFORE USING READ ALL DIRECTIONS AND SAFETY DATA SHEETS (SDS). 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 the PALLMANN® division of Uzin-Utz North America before using for technical advice if needed. (1-866-505-4810).

SUBSTRATE PREPARATION

The substrate must be sound, load-bearing, dry, free from cracks, clean and free from materials (dirt, oil, grease, curing agents and sweeping compounds) that will impair adhesion. Test the substrate in accordance with applicable standards relative to moisture content. Any weakly bonded or soft surface layers such as separating agents, loose adhesives residues, leveling compounds, coverings or coatings must be removed by brushing, abrading, grinding or shot-blasting. Thoroughly vacuum off all loose material and dust.

Select suitable primer from the PALLMANN® Product Guide according to surface type and condition or seek technical assistance. Allow primers to dry thoroughly.

Always gritbind reaction resin or polyurethane primers/sealers such as PALLMANN® P108 or PALLMANN® P104.

As with all polymer modified cements, it is always recommended to test for moisture content of the existing substrate to ensure that it meets the finished floor covering manufacturer's requirements. Cement-based products are not designed as a moisture barrier. Moisture mitigation must be addressed prior to the application of PALLMANN® P25. Please refer to the product data sheets for PALLMANN® P104 and PALLMANN® P108 for appropriate moisture mitigation options.

APPLICATION

1. Pour approximately 5-3/4 to 6 quarts (5.5 to 6.0 liters) of cold clean water into a clean container. Slowly pour in the bag contents (55 lbs.) while stirring vigorously (minimum 650 rpm) and blend to a viscous, lump-free consistency. Use a drill fitted with the Item #59597 Mixing Paddle for leveling compounds. Do not mix too thin.
2. Pour the mix onto the primed substrate and distribute evenly with the Item #59631 Smoothing Trowel or the Item #59771 Gauge Rake. For thicker coats or when using a smoothing trowel, flow and surface finish can be improved by using the Item #13638 Spike Roller. Where possible, apply to the desired depth in one application. (Apply at least 1/8" minimum depth for exposure to castor wheels and on non-absorbent surfaces.)

Ready for Application

Depth	Ready for Application
1/8"	18 hours*
1/4"	24 hours*
1/2"	48 hours*

Coverage Rate

Depth	Approx. Coverage Rate
1/8"	64 sq. ft per 55 lb. bag
1/4"	32 sq. ft per 55 lb. bag

IMPORTANT NOTES

- Shelf life minimum 6 months in original packaging when stored in dry conditions. Carefully and tightly reseal opened packaging and use the contents as quickly as possible.
- Optimum jobsite conditions are 60-77° F (16-25° C) and relative humidity below 65%. Low temperatures, high humidity and greater depth will delay, while high temperatures, low humidity and shallower depth will accelerate the setting and drying times. In summer, store in cool conditions and mix with cold water.
- Expansion, movement and wall connection joints must be honored through the floor covering. Where necessary, fit Item #10122 Expansion Strips to any structures to prevent the mix from flowing into connection joints. (For depths greater than 1/4", expansion strips are highly recommended.)
- Pumpable using continuous feed mixer pumps.
- When applying in multiple layers, allow the compound to dry completely, then prime with PALLMANN® P106.
- For depths greater than 1/2", extend leveling material up to 50% (equal to 27.5 lbs) using 0.8 clean, dry quartz sand.
- For depths greater than 1/2" on surfaces that are moisture sensitive (such as gypsum concrete) or weak (old adhesive residues), first apply PALLMANN® P108 and grit bind by broadcasting sand.
- Do not use in exterior or wet areas.
- On substrates with old asphalt mastic residues, it is recommended to remove as much residue as possible by mechanical means before coating with a PALLMANN® Primer. Call the PALLMANN® Technical Dept. for assistance.
- NOTE: Complete mechanical removal of cutback adhesive such as shot blasting, grinding or sanding can be hazardous as old adhesive may contain asbestos. Do not sand or grind adhesive residues. Harmful dust may result. Inhalation of asbestos dust may cause asbestosis or other serious bodily harm. Please consult applicable government agencies for rules and regulations concerning removal of flooring or adhesives containing asbestos. The use of solvents or adhesive removers are never recommended.
- Protect freshly applied leveling compounds from drafts, direct sunlight and direct sources of heat.
- The following standards, regulations and notices are applicable and especially recommended:
 - ASTM C 109 modified "Test method for compressive strength of hydraulic cement mortars"
 - ASTM F 1869-11 "Measuring moisture vapor emission rate of concrete subfloors using Anhydrous calcium chloride"
 - ASTM F 2170-11 "Determining moisture humidity in concrete floor slabs using in-situ probes"

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT

PRECAUTIONS

CAUTION: Irritant. Contains cement. Cement produces strong alkaline on reaction with water. Avoid contact with skin and eyes.

FIRST AID: In case of skin or eye contact, rinse thoroughly and immediately with water. In the event of skin or eye irritation, obtain medical treatment. When mixing wear a protective dust-mask. Use protective gloves. Observe safety information on product label as well as Safety Data Sheet (SDS). Presents no physiological or ecological risk when fully cured. EMICODE EC 1 R – very low emission.

WARNING: This product contains chemicals (crystalline silica) known to the state of California to cause cancer and birth defects, or other reproductive harm.

DOT UN-Number: Not regulated
Hazard Class/PG: Not regulated

DISPOSAL

Dispose of empty packaging according to local, state and federal regulations. The above information is based on our experience and testing. Uzin-Utz North America is not responsible for the variety of associated materials and variable construction and working conditions that occur on jobsites. The quality of your work depends on your own professional judgment and product usage. If in doubt of any application recommendation or instruction, conduct a small test or obtain technical advice. Observe the installation recommendations of the floor covering manufacturer. The publication of this Product Data Sheet invalidates all previous Product Information.

Uzin Utz
NORTH AMERICA

PALLMANN | A Brand of Uzin Utz Group
Aurora, CO 80011 USA | Phone: 720.374.4810
pallmann.us@uzin-utz.com | pallmann.us



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