

## SELF-LEVELING COMPOUND

# P250

PREMIUM, Portland-based self-leveling compound for use up to 1" depth applications.

### PRODUCT DESCRIPTION:

Portland-based self-leveling compound for use up to 1" depth application. Excellent flow and working time properties produce level, flat surfaces with good absorbency for most floor coverings and adhesives.

### SUITABLE FOR:

- ▶ Interior use only
- ▶ Producing flat and smooth surfaces for the installation of textile, resilient, ceramic, and engineered wood floor coverings
- ▶ Use as a self-leveling layer over existing hard surface flooring, such as well-bonded terrazzo, ceramic tile, stone, and well-bonded epoxy coatings
- ▶ Use over structurally sound concrete, APA Exposure Type 1 plywood and OSB, or equally rated subfloor materials
- ▶ Renovation of gypsum and portland-based leveling compounds
- ▶ Use over well-bonded adhesive residues, including cutback adhesive\*
- ▶ Residential and commercial applications
- ▶ Use with radiant floor heating systems
- ▶ **Fire reaction:** ASTM E84 Class A

\* See P104 TURBO and P108 DEFEND for additional information



### FEATURES – BENEFITS:

- ▶ Fast-setting • Walkable in 2 – 3 hours
- ▶ Versatile • Applies from 1/16" – 1" (1.5 – 25 mm) depth
- ▶ Smooth surface • Improves adhesive coverage rate
- ▶ Standard dry time • 24 hours for most floor coverings
- ▶ SCS Global rated product • Indoor air quality certified

### TECHNICAL DATA:

Packaging:	50 lb (22.7 kg) paper bag
Shelf life:	Approx. 9 months**
Color:	Grey
Water ratio:	6.0 – 6.5 quarts per bag (5.7 – 6.1 liters)
Coverage:	Approx. 58 sq. ft. at 1/8" per bag* (5.39 m <sup>2</sup> at 3 mm)*
Working climate:	50°F (10°C) at floor level Optimum condition for application is 60 – 77°F (16 – 25°C) and relative humidity between 40 – 60%.
Pot life:	20 – 40 minutes*
Drying time:	<b>Ready for:</b> Foot traffic: 2 – 3 hours* Coverings: 6 – 36 hours depending on covering See "Ready for Covering" chart for more accurate estimates
VOC	0 g/L
Flow ring spread	~6.3 in (160 mm) ASTM C1708
Compressive strength	Compressive: 4,500 psi after 28 days Flexural: 900 psi at 28 days ASTM C1708   air cure only

\* Applied coverage refers to the product's spread rate at indicated layer thickness, based on practical application experience rather than physical properties. At 70°F (21°C) and 65% relative humidity. Surface profile and porosity, application depth, temperature, and humidity will affect dry time and coverage.

\*\* In original unopened packaging, when stored indoors in dry, moderate conditions between temperatures of 50°F – 90°F (10C – 32°C).



**PREPARATION AND APPLICATION:**

**BEFORE USING, READ ALL DIRECTIONS AND THE SAFETY DATA SHEET (SDS).  
FOR PROFESSIONAL USE ONLY.**

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.

If technical advice is needed, contact PALLMANN® (1-866-505-4810), a division of Uzin Utz North America, before using the product.

**Recommended Tools:** Gauge Rake, Smoother or Spike Roller

**SUBSTRATE PREPARATION:**

- ▶ The subfloor must be structurally sound, solid, dry, free from active cracks, clean, and free of all contaminants, including but not limited to dust, grease, oil, paint, wax, curing, and sealing compounds, or cleaning solution residue that would impair adhesion.
- ▶ If necessary, mechanically prepare and clean the surface by grinding, shot blasting, or sanding, and thoroughly vacuum off all loose material and dust following OSHA recommended guidelines.
- ▶ Do not use sweeping compounds.
- ▶ Any weakly bonded or soft surface material, such as loose patching compounds, leveling compounds, floor coverings, or coatings, must be removed.
- ▶ Do not apply this product over any acid-etched or chemically abated adhesive surfaces.
- ▶ Wood substrates must provide a rigid base and be securely fastened without excessive vertical movement.
- ▶ The surface of the wood must be clean and free of oils, grease, wax, dirt, varnish, shellac, and any contaminants that would impair adhesion. If necessary, sand down to bare wood.
- ▶ Do not apply PALLMANN Self-Leveling or Patching Compound products directly to fire-retardant or pressure-treated wood surfaces.

**CAUTION:**

Inhalation of asbestos dust may cause asbestosis or other serious bodily harm. Do not sand, grind, or disturb any surface or adhesive residue that may contain asbestos or lead, as harmful dust may result. Refer to the Resilient Floor Covering Institute’s publication “Recommended Work Practices for Removal of Resilient Floor Coverings” for instructions.

**PRIMING:**

PALLMANN P250 requires the floor surface to be primed before application. Based on the floor surface type and absorbency, select a PALLMANN primer. For detailed PALLMANN primer information, please refer to the PALLMANN primer datasheet located at [us.pallmann.net](http://us.pallmann.net) or contact PALLMANN for technical guidance.

**PRIMER COVERAGE CHART:**

P106 PRIME	2.6 gal 9.85 L
Coverage (approx.*)	sq. ft. / m <sup>2</sup> pail*
Undiluted:	800 – 1200 sq. ft. (74 – 111 m <sup>2</sup> )
Diluted: (P106 : water)	
1 : 1	Up to 1,400 sq. ft. (130 m <sup>2</sup> )
1 : 2	Up to 2,100 sq. ft. (195 m <sup>2</sup> )
1 : 3	Up to 2,700 sq. ft. (250 m <sup>2</sup> )

\* Actual coverage may vary depending on substrate conditions.

**APPLICATION:**

1. Optimum product application conditions are 60 – 77 °F (16 – 25 °C) and relative humidity between 40 – 60 %.
2. Pour 6.0 – 6.5 quarts (5.7 – 6.1 liters) of cold, clean water per 50 lb bag into a clean container.
3. Slowly pour in the powder and mix vigorously for 1 minute per bag until blended to a viscous, lump-free consistency. Use a heavy-duty drill with a Flat Cage or Oval mixing paddle (minimum 650 rpm).
4. Pour the mix onto the primed substrate. Working time is approx. 20 – 40 minutes.
5. Coverage rate at 1/8” (3 mm) depth is approx. 58 sq. ft. per 50 lb bag.
6. Provides an extremely smooth finish up to 1”.
7. Distribute product evenly with a suitable gauging tool (A) and smooth or spike roll the wet finish promptly (B).
8. Product is dry to accept foot traffic after 2 – 3 hours.
9. Ready for installation of common floor coverings after approx. 24 hours. Depth of application, ambient conditions, and surface porosity will affect dry time.

10. Storage up to 9 months in original unopened packaging when stored indoors in dry, moderate conditions between temperatures of 50 °F – 90 °F (10 °C – 32 °C). **NOTE:** Best if used within 9 months from date of manufacture. The product setting and drying characteristics may increase if the storage time is extended. The properties of the cured material are not affected.

READY FOR COVERING*	
Common Floor Coverings	24 hrs*
Ceramic	6 hrs*
Natural Stone, Engineered Wood	36 hrs*

\*At 1/8" (3 mm) depth over porous surface at 70 °F (21 °C) and 50% RH.

### NOTES:

- ▶ High temperatures and low humidity will accelerate the setting, drying, and readiness for covering. Low temperature, high humidity, and greater depths will delay drying. In summer, store in cool conditions and use cold water.
- ▶ Do not apply to wet surfaces. Observe the surface temperature to ensure it is at least 5°F (3°C) above the dew point, with the temperature on the rise during application.
- ▶ Protect freshly applied material from drafts, direct sunlight, direct sources of heat, and freezing temperatures.
- ▶ Install Foam Expansion Strips at vertical transitions (walls, pipes, door framing) for depths greater than 1/4" (6mm). Expansion joints must be honored through the leveling compound and floor covering to prevent the mix from flowing into expansion joints.
- ▶ Pumpable using continuous feed mixer pumps. For information regarding sand extension, contact PALLMANN for technical guidance.
- ▶ If multiple layers of leveling compounds are necessary, allow the first layer to dry completely and then prime with P106 PRIME (1:3 dilution). The second layer must not exceed the thickness of the first layer.
- ▶ Substrate conditions (surface profile, density or surface strength, in-service use) are recommended to be qualified before application of leveling compounds that will exceed 1/2" (12.5 mm) depth. P108 DEFEND reaction resin gritted with a broadcast of clean, dry sand #20 (ASTM U.S. Sieve Number) should be considered. Please contact PALLMANN for technical guidance.
- ▶ Do not use in exterior or wet areas.

### COMPOSITION:

Special cements, mineral aggregates, redispersible polymers, and additives.

### PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Do not handle until all safety instructions have been read and understood. Safety Data Sheet (SDS) is available at [us.pallmann.net](http://us.pallmann.net).

### DISPOSAL:

Dispose of the product and packaging according to all federal, state, and local applicable regulations. Avoid or minimize waste generation when possible. Cardboard packaging is recyclable.

### INDOOR AIR QUALITY INFORMATION

Certification: SCS Indoor Advantage™ Gold

VOC content: 0 g/L, Compliant with SCAQMD 1168

VOC emission: Low VOC Emission: 5mg/m3 or less TVOC emission per CDPH testing method