

# PRO SERIES

# 4510

Made in the U.S.A.

## PREMIUM PRESSURE-SENSITIVE FLOORING ADHESIVE For Fiberglass-Reinforced Sheet Vinyl, Luxury Vinyl Tile and Plank

### DESCRIPTION

PRO SERIES 4510 Premium Pressure-Sensitive Flooring Adhesive is a high-solids, acrylic, emulsion-based adhesive for the installation of a wide variety of floor coverings. PRO SERIES 4510 resists plasticizer migration, provides exceptional tack and has great adhesion to all common types of floor surfaces. Flooring can be installed into PRO SERIES 4510 in its wet state for permanent bonding. PRO SERIES 4510 can also be allowed to dry to its tacky phase for releasable installations. Install PRO SERIES 4510 by spray, roller or trowel, depending on the installation application. This adhesive is suitable for use over fresh concrete slabs with diminishing moisture vapor emission rates (MVERs) up to 8 lbs. per 1,000 sq. ft. (3,63 kg per 92,9 m<sup>2</sup>) per 24 hours and 90% relative humidity (RH).

### FEATURES AND BENEFITS

- Excellent for the installation of fiberglass-reinforced sheet vinyl, luxury vinyl tile and plank
- For permanent and releasable installation applications
- High moisture resistance
- Acrylic-based for superior plasticizer migration resistance

### USES

- Luxury vinyl tile and plank; solid vinyl tile; and most types of PVC-backed, fiberglass-reinforced vinyl sheet flooring
- PVC-backed carpet tile and synthetic carpet cushion in double glue-down applications

### RECOMMENDED SUBSTRATES

Exterior-grade plywood, Group 1, CC type; other approved wood underlayments (per manufacturer recommendations); concrete and properly prepared cement terrazzo; cement-based self-leveling underlayments and patching compounds; embossing levelers applied over existing properly prepared and fully bonded ceramic tile and sheet vinyl; a single layer of properly prepared and fully bonded vinyl composition tile (VCT); and properly prepared and primed gypsum underlayments that meet the requirements for compressive strength according to ASTM F2419

### LIMITATIONS

Do not install over any substrates containing asbestos. PRO SERIES 4510 is for interior installations only. Do not apply over any adhesive residues, including cutback adhesive. Do not install when the MVER exceeds 8 lbs. per 1,000 sq. ft. (3,63 kg per 92,9 m<sup>2</sup>) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869). Do not install when the RH of concrete slabs exceeds 90% per RH test (ASTM F2170). Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C) and when the ambient RH is between 30% and

60%. Install only in areas recommended by the flooring manufacturer. Building owners should be advised and aware of the flooring manufacturer's guidelines for climate-control settings (temperature and humidity). These conditions must be monitored and kept constant in order to ensure the overall performance and long-term success of the installation. For conditions outside of limitations, please contact the Kentwood technical department at [info@kentwoodfloors.com](mailto:info@kentwoodfloors.com); additional project warranties may be available.

### SURFACE PREPARATION

All substrates must be structurally sound, dry, solid and stable. The substrate should be clean and free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, loosely bonded toppings, loose particles, old adhesive residues, and any other substance or condition that may prevent or reduce adhesion. All surfaces must be level, even, flat and smooth.

### MIXING

Note: Choose all appropriate safety equipment before use. Refer to the Safety Data Sheet for more information.

- Ready to use; no mixing is necessary.
- Do not combine with other adhesives or thin with any substance.

### PRODUCT APPLICATION

1. Read all installation instructions thoroughly before installation.
2. Select the appropriate notched trowel (see the "Approximate Product Coverage" section).
3. Spread the adhesive evenly over the subfloor, keeping the trowel at a 45-degree angle.
4. Roll the flooring with the recommended-weight roller across the width and length of the flooring surface.
5. For fiberglass-reinforced vinyl sheet flooring, spread the adhesive evenly over the subfloor using a 1/4" (6-mm) nap paint roller. For permanent installations, install the flooring into wet adhesive. For releasable applications and for the installation of fiberglass-reinforced vinyl sheet flooring, allow the adhesive to dry to its tacky phase.
6. Install the flooring in strict accordance with the flooring manufacturer's written instructions.
7. Promptly clean any adhesive smudges from the flooring material's surface and tools with water while the adhesive is still fresh/wet.

## APPLICATION TABLE

Application Characteristics over Porous Substrates		
	Flash Time <sup>†</sup>	Working Time <sup>††</sup>
Smooth-backed vinyl carpet tile and fiberglass-reinforced vinyl sheet flooring	0 minutes (permanent bond); 30 minutes or until dry (pressure-sensitive)	15 minutes (permanent bond); 8 hours (pressure-sensitive)
Rough-backed vinyl products and carpet pad to substrate	0 minutes (permanent bond); 30 minutes or until dry (pressure-sensitive)	15 minutes (permanent bond); 8 hours (pressure-sensitive)

Application Characteristics over Nonporous Substrates		
	Flash Time <sup>†</sup>	Working Time <sup>††</sup>
Smooth-backed vinyl carpet tile and fiberglass-reinforced vinyl sheet flooring	30 minutes or until dry (pressure-sensitive)	8 hours (pressure-sensitive)
Rough-backed vinyl products and carpet pad to substrate	30 minutes or until dry (pressure-sensitive)	8 hours (pressure-sensitive)

<sup>†</sup> Flash time is the waiting time required before installing flooring

<sup>††</sup> Working time is the window of time for the adhesive to accept flooring.



Note: Flash time and working time may vary based on temperature, humidity, substrate porosity, trowel size and jobsite conditions.

## PRODUCT CHARACTERISTICS (at 73°F [23°C] and 50% RH)

Polymer type	Acrylic polymer
Percent solids	40% to 60%
VOCs (Rule #1168 of California's SCAQMD)	19 g per L
VOCs (Section 01350 of California's CDPH)	Passed
pH	6 to 9
Density	8.3 lbs. per 1 U.S. gal. (3,76 kg per 3,79 L), (+/- 0.8); 1.0 g per L (+/- 0.1)
Color	Off-white
Shelf life	2 years when stored in original packaging
Storage conditions	40°F to 100°F (4°C to 38°C)
Flash point (ASTM D56)	> 212°F (100°C)
Protect from traffic	24 hours for light traffic, 72 hours for heavy traffic

Protect containers from freezing in transit and storage. Provide for heated storage on site and deliver all materials at least 24 hours before work begins.

## Approximate Product Coverage\*

Flooring Type	Typical Trowel	Coverage
Smooth-backed vinyl products	1/32" x 1/16" x 5/64" (1 x 1,5 x 2 mm) 	185 to 245 sq. ft. per U.S. gal. (4,53 to 6,0 m <sup>2</sup> per L)
Rough-backed vinyl products and carpet pad to substrate	1/16" x 1/16" x 1/16" (1,5 x 1,5 x 1,5 mm) 	125 to 185 sq. ft. per U.S. gal. (3,06 to 4,53 m <sup>2</sup> per L)
Smooth-backed vinyl carpet tile and fiberglass-reinforced vinyl sheet flooring	1/4" (6-mm) nap roller or spray applied	250 to 350 sq. ft. per U.S. gal. (6,12 to 8,57 m <sup>2</sup> per L)

\* Trowel dimensions are depth/width/space. Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions, type of trowel used and setting practices.

Product Code	Size
19668	1 U.S. gal. (3,79 L)
19667	4 U.S. gals. (15,1 L)

LEED v4 Points Contribution

LEED Points

Health Product Declaration (HPD)\*\* ..... Up to 2 points

\*\* Using this product may help contribute to LEED certification of projects in the category shown above. Points are awarded based on contributions of all project materials.

### Additional Green Certifications

- CRI Green Label Plus #GLP04510. Refer to the CRI Website at [www.carpet-rug.org](http://www.carpet-rug.org) for additional information.
- Living Building Challenge (LBC) Red List Free: This product has been verified per the most current Red List on the LBC website.

Metropolitan Hardwood Floors is the exclusive distributor of PRO SERIES adhesives and sundries.

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