



LOCK A299 PSA™

PRESSURE-SENSITIVE ADHESIVE

TECHNICAL DATA SHEET 08/15/2024

SMART ADVANTAGES

- Economical, builder-grade formula
- Bonds a wide variety of flooring
- Bonds up to 99% RH & 12.0 pH (for sheet vinyl, 90% RH & 10.0 pH)

DESCRIPTION

LOCK A299 PSA™ is a universal, economical, water-based adhesive specifically formulated for the installation of most resilient flooring in residential and light commercial applications. LOCK A299 PSA is a low VOC formulation. This adhesive's strength ensures a lasting bond. Featuring superior trowelability, rapid tack/grab, minimal odor, and effortless cleanup, LOCK A299 PSA guarantees a seamless flooring installation experience.

ULTIMATE VERSATILITY

LOCK A299 PSA may be used for bonding vinyl (sheet, tiles, or planks), VCT, carpet cushion to substrate, and non-vinyl-backed modular carpet tiles in residential or light commercial applications. It may be used over properly prepared concrete, APA-grade plywood, or gypsum underlayments in dry, above-grade applications, as well as radiant heat.

MOISTURE & ALKALI RESISTANCE

LOCK A299 PSA is resistant to high-moisture vapor and alkaline conditions. Always measure the in situ RH of concrete slabs in accordance with ASTM F2170, and test the pH of the slab. LOCK A299 PSA may be used on slabs with elevated moisture up to 99% RH and 12.0 pH (90% RH and 10.0 pH for sheet vinyl).

LEED CONTRIBUTION

LOCK A299 PSA is a low VOC formula and may contribute toward LEED® credits under LEED® v4 Credits: IEQ Credit 2.1, IEQ Credit 2.2, and FloorScore certified.



DIRECTIONS FOR USE

Read and understand the data sheet completely before beginning installation. Follow the appropriate industry standards, including ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring.

Resilient flooring materials have vastly different substrate preparation and installation requirements, which are essential to a successful installation regardless of flooring material or adhesive



being installed. Therefore, always do a test area to ensure proper bonding and adhesive spread rate, and/or to become familiar with proper application techniques prior to use.

SURFACE PREPARATION

Surfaces must be clean, dry, and flat; free of voids, projections, loose materials, oil, grease, sealers, and all other surface contaminants. Mechanically remove all surface contaminants by grinding or scarifying the substrate. Surface areas requiring patching or leveling must be treated using Bostik cement patches and/or self-leveling underlayments. Refer to the use instructions of these products for proper installation.

Bostik D-250™ Moisture-Vapor Barrier Coating or Slab-Cote™ Extreme Moisture-Vapor Barrier Coating are recommended for installations where moisture and/or alkalinity in excess of stated limits may exist or might occur from the concrete slab.

PLEASE NOTE: LOCK A299 PSA is not a moisture-vapor barrier.

INSTALLATION

Spread LOCK A299 PSA evenly with the proper trowel as described. Open time is influenced by substrate porosity and atmospheric conditions (i.e., temperature, humidity, and air movement). For best results maintain adhesive, floor covering, and room at a stable temperature of 65°F–85°F (18°C–30°C) continuously for 48 hours before and after installation. Relative humidity must be maintained between 45–65%. Follow manufacturer recommendations for rolling and/or cross-rolling the flooring during installation.

This supersedes and replaces in its entirety all previously published versions of this document. B192953

CURE TIME

Temperature, humidity, and substrate porosity affect the flash time and working time. The higher the temperature, the lower the humidity, and the more porous the substrate, the faster the flash time and working time. Flooring may be installed when the adhesive has flashed off sufficiently to prevent adhesive transfer to the fingertips, usually after 30-60 minutes. Always follow the flooring manufacturer's installation guideline. Flooring must be installed within the working time, up to 4 hours after flash time.

Traffic: Normal traffic may resume after 24 hours. Wet mopping can be done after 1 week.

COVERAGE

Ensure proper adhesive coverage. Most resilient flooring types require >95% transfer. Trowel sizes listed below are suggested to ensure proper bond while maximizing coverage of adhesive.

TROWEL RECOMMENDATIONS

1/16" x 1/32" x 1/32" U-Notch

Coverage: 220-260 square feet per gallon

CLEANUP

As you work, immediately clean any adhesive from resilient flooring using a clean, damp cloth. Immediately clean all tools and equipment before adhesive cures. Follow flooring manufacturer's recommendation for cleanup. Denatured alcohol or other solvent may be needed to remove dried adhesive. Some flooring may not be compatible with solvents such as denatured alcohol.

STORAGE AND SHELF LIFE

The product should be stored in the original container in a cool, dry place and out of direct sunlight. **Do not allow product to freeze.** If the product should freeze, store at 75°F (24°C) until completely thawed, then thoroughly mix contents. Test carefully to ensure the product performance has not been compromised.

Shelf life is two years from date of manufacturing in unopened, original packaging when stored at temperatures between 65°F (18°C) and 95°F (35°C).

LIMITATIONS

- This product is for interior installations only.
- Do not use this product where excessive moisture and alkalinity exceed limitations stated above. All concrete must be minimum of 28 days old and comply with ASTM F710 standards.
- Test all concrete slabs for moisture per ASTM F2170 to determine RH. For slabs exceeding 99% RH (90% RH for sheet vinyl) or the floor covering manufacturer's moisture-vapor limit, treat with Bostik's D-250™, Slab-Cote™ Moisture Vapor Barrier Coating, or Roll-Cote. Please refer to product data sheets.
- LOCK A299 PSA is not designed for use under oil-based linoleum.
- Do not use this product when the substrate temperature is below 65°F (18°C) or above 85°F (30°C) or when the relative humidity exceeds 65%.
- Do not use on wet, dusty, contaminated, or friable substrates; do not use over substrates/slabs treated with sealers or curing compounds; do not use in areas subject to hydrostatic head.
- Resilient flooring is available in a wide range of variations with a number of different backings; it is critical that a test is done prior to actual installation using the adhesive and flooring material to confirm compatibility, application techniques, and/or proper performance of the adhesive.
- LOCK A299 PSA may be used over gypsum-based underlayments, but only in dry, above-grade applications.
- Do not use on substrates that have been chemically cleaned or over treated plywood.

CHEMICAL & PHYSICAL PROPERTIES

Use Environments	Offices/Light Commercial	Yes
	Residential	Yes
	Multi-family	Yes
	Hospitality	No
	Hospital/Healthcare	No
	Heavy Commercial	No
	Exterior	No
	Wet Areas	No
Substrates	Concrete	Yes
	APA-Grade Plywood	Yes
	Gypsum Underlayment	Yes*
	Well-Bonded Vinyl	Yes
	Terrazzo	Yes
	OSB Underlayment	No
	Prepared Metal	No
	Asphalt	No
Flooring Types	LVT or LVP	Yes
	Sheet Vinyl	Yes
	VCT	Yes
	Carpet Tiles	Yes
	PVC Carpet Tile Backing	No
	Olefin-Backed Vinyl	Yes
	Rubber	No
	Linoleum	No
Cured Physical Properties	Full Return to Service	24 hrs
	Rolling Loads Capacity	Not Recommended
	Slab Moisture Limits	99% RH (90% for sheet vinyl)
	pH Resistance	12.0 pH (10.0 for sheet vinyl)
Uncured Physical Properties	Ease of Troweling	Extremely Easy
	Odor	Slight
	Required Flash Time	10-20 minutes
	Working Time	4 hours
	Color	Beige
	Density (lbs/gallon)	8.2
Chemical Properties	Freeze/Thaw	Do Not Freeze
	Chemistry Type	Acrylic
	Adhesive Type	Pressure Sensitive
	VOC**	20 g/L
	Plasticizer Resistant?	Yes
	Solvent Free?	Yes
Flash Point	>212°F	

* Dry, above-grade applications only

** As calculated per SCAQMD Rule 1168

PACKAGING

LOCK A299 PSA is available in 4-gallon plastic pails (48 pails per pallet), and cases of 1 gallon pails, 4 per case (36 cases per pallet).

CAUTION

MAY IRRITATE EYES, SKIN, AND RESPIRATORY TRACT. Do not get in eyes, on skin, or on clothing. Use with adequate ventilation. Wash thoroughly after handling. Store container in a cool, dry area with lid tightly sealed. Do not reuse container.

KEEP OUT OF REACH OF CHILDREN

FIRST AID TREATMENT

If in eyes or on skin, rinse with water for at least 15 minutes.
If inhaled, move person into fresh air. If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting.

SEE SAFETY DATA SHEET

Chemical Emergency: 800-424-9300 (USA),
703-527-3887 (International)

Medical Emergency: 866-767-5089

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