



# LOCK A799 TRANSITIONAL™

## UNIVERSAL FIRM-SET TRANSITIONAL ADHESIVE

TECHNICAL DATA SHEET 08/12/2024

### SMART ADVANTAGES

- Aggressive tack
- Bonds a wide variety of flooring
- Bonds up to 99% RH & 12.0 pH (95% RH for PVC carpet tile, 90% RH for sheet vinyl)

### DESCRIPTION

LOCK A799 TRANSITIONAL™ is a universal, high tack, waterbased acrylic adhesive that installs like a pressure sensitive adhesive but transitions to a firm set after 72 hours. It is specifically formulated for the installation of most resilient flooring in residential and commercial applications and is a 0-VOC formulation as calculated per SCAQMD Rule 1168. LOCK A799 TRANSITIONAL™ has been formulated with exceptional application properties including excellent trowelability, fast tack/grab, low odor, and easy cleanup.

### ULTIMATE VERSATILITY

LOCK A799 TRANSITIONAL™ may be used for bonding vinyl (sheet, tiles, or planks), VCT, cork, and modular carpet tiles in residential or heavy commercial applications. It may be used over properly prepared concrete, APA-grade plywood, or properly prepared gypsum underlayments in dry, above-grade applications, as well as radiant heat.

### MOISTURE & ALKALI RESISTANCE

LOCK A799 TRANSITIONAL™ is resistant to high moisture vapor and alkaline conditions. Always measure the in situ RH of concrete substrates in accordance with ASTM F2170, and test the pH of the substrate. LOCK A799 TRANSITIONAL™ may be used on concrete with elevated moisture up to 99% RH and 12.0 pH (95% RH for PVC carpet tile, 90% RH for sheet vinyl).

### LEED CONTRIBUTION

LOCK A799 TRANSITIONAL™'s 0-VOC formulation as calculated per SCAQMD Rule 1168 may contribute toward LEED® credits under LEED® v4 Credits: IEQ Credit 2.1 and IEQ Credit 2.2.

### 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 that are essential to a successful installation regardless of flooring material or adhesive being used. Therefore, always perform a test bond to be certain a proper/satisfactory bond is achieved prior to using this adhesive. 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, curing compounds, paint, adhesive residue, or any surface contaminants that would interfere with the adhesive's bond. 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 A799 TRANSITIONAL™ is not a moisture vapor barrier..

This supersedes and replaces in its entirety all previously published versions of this document. B95133

## INSTALLATION

Spread LOCK A799 TRANSITIONAL™ evenly with the proper trowel 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.

### INSTALLING PVC AND NON-PVC CARPET TILE:

For a releasable installation, spread LOCK A799 TRANSITIONAL™ with the recommended trowel and allow the adhesive to dry completely before installing carpet tiles. Depending on ambient conditions, dry time will be approximately 30–60 minutes. Be sure to install the flooring within the 6-hour working time of the adhesive, after it has completely dried.

### INSTALLING OVER NON-POROUS SUBSTRATES:

For the installation of vinyl sheet, tiles, and plank flooring, spread LOCK A799 TRANSITIONAL™ with the recommended trowel and install the flooring as it becomes dry to the touch. Depending on ambient conditions, dry time will be approximately 30–60 minutes. Be sure to install the flooring within the 6-hour working time of the adhesive, after it has completely dried.

### INSTALLING OVER POROUS SUBSTRATES:

When installing vinyl sheet over a porous substrate, flooring may be placed into LOCK A799 TRANSITIONAL™ after 10–20 minutes of open (flash-off) time. Be sure to install the flooring within the 6-hour working time of the adhesive after the initial flash-off. Vinyl plank and tile flooring may be placed into LOCK A799 TRANSITIONAL™ after it has become dry to the touch to prevent slippage. If the flooring is not installed within the working time of the adhesive, loss of adhesion can occur.

## 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 10–20 minutes. Always follow the flooring manufacturer's installation guideline. Flooring must be installed within the working time, up to 6 hours after flash time.

**Traffic:** Normal traffic may resume after 24 hours. Avoid heavy rolling loads for 72 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.

## TOOL RECOMMENDATIONS

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

Coverage: 220–260 square feet per gallon

3/8" Nap Roller (non-vinyl carpet tiles only)

Coverage: 350–400 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. Mineral spirits or other solvent may be needed to remove dried adhesive. Some flooring may not be compatible with solvents such as mineral spirits.

## CHEMICAL & PHYSICAL PROPERTIES

Use Environments	Offices/Light Commercial	Yes
	Residential	Yes
	Hospitality	Yes
	Hospital/Healthcare	Yes
	Heavy Commercial	Yes
	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
Flooring Types	Asphalt	No
	LVT or LVP	Yes
	Sheet Vinyl	Yes
	VCT	Yes
	Carpet Tiles	Yes
	PVC Backings	Yes
	Olefin-Backed Vinyl	Yes
	Cork	Yes
	Rubber	No
	Linoleum	No
Cured Physical Properties	Full Return to Service	24 hrs
	Rolling Loads Capacity	Moderate
	Slab Moisture Limits	99% RH (95% for PVC carpet tile) (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	6 hours
	Color	White
	Density (lbs/gallon)	8.3
Chemical Properties	Freeze/Thaw	Do Not Freeze
	Chemistry Type	Acrylic
	Adhesive Type	Transitional
	VOC**	0 g/L
	Plasticizer Resistant?	Yes
	Solvent Free?	Yes
	Flash Point	>212°F (100°C)

\* Dry, above-grade applications only

\*\* As calculated per SCAQMD Rule 1168

## 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 here.
- Test all concrete slabs for moisture per ASTM F2170 to determine RH. For slabs exceeding 99% RH (95% RH for PVC carpet tile, 90% RH for sheet vinyl) or the floor covering manufacturer's moisture vapor limit, treat with Bostik's D-250™ or Slab-Cote™ Moisture Vapor Barrier Coating. Please refer to D-250™ or Slab-Cote™ data sheets.
- LOCK A799 TRANSITIONAL™ 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 A799 TRANSITIONAL™ may be used over gypsum-based underlayments, but only in dry, on or above-grade applications.

## PACKAGING

LOCK A799 TRANSITIONAL™ 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. Do not breathe fumes. 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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