

PLITEQ® FAS3

FIRM-SET, MODIFIED TRANSITIONAL PRESSURE SENSITIVE ADHESIVE



PRODUCT SPECIFICATION

PRODUCT NAME: **Pliteq FAS3**

DESCRIPTION: **Pliteq FAS3** is a firm-set transitional pressure sensitive adhesive with a aggressive fast grab formulation allowing it to handle light foot traffic immediately. It is solvent and isocyanate free adhesive that is nonflammable with a high moisture tolerance and low odor and low VOCs. This adhesive contains no hazardous chemicals as per OSHA Regulation CFR 1910.1200, and meets all federal, state, and local government indoor air quality regulations. It also has excellent plasticizer migration resistance allowing for installation of a wide variety of vinyl based products.

Pliteq FAS3 will not form a moisture vapor barrier and will not protect flooring from moisture damage. For more information on adhesives within the **Pliteq** family that will aid in this please contact your local **Pliteq** engineer.

APPLICATION: **Pliteq FAS3** is ideal for the glue-down installation of **GenieMat®** sound control underlayments, and for bonding specified luxury vinyl tile, vinyl plank, both heterogeneous and homogeneous sheet and tile, fiberglass backed sheet, VCT, linoleum, recycled rubber, vinyl backed and non-vinyl backed resilient flooring and rubber flooring to **GenieMat** sound control underlayments. Approved substrates and surfaces for **Pliteq FAS3** include, APA underlayment grade plywood and OSB; association grade particleboard; cement backer board; cementitious and anhydrite screeds; concrete and radiant heated subfloors that do not exceed 85°F (30°C); existing well-bonded non-cushion-backed vinyl, tile and sheet flooring; gypsum and lightweight concrete (primed with **Pliteq FAS-PS**); terrazzo (properly prepared with all waxes and surface finishes removed).

SUBSTRATE & SURFACE PREPARATION: Follow flooring manufacturer's guidelines. Substrate must be prepared per ASTM F710 standards including, but not limited to the following:

- Concrete must be placed in strict accordance with applicable standards and specifications. Concrete must be fully cured (at least 45 days), without hydrostatic pressure, without pressurized liquid from any source and free of surface alkaline salt crystallization.
- Concrete floors must be dry, clean, smooth and structurally sound. They shall be free of any foreign materials that might prevent adhesive bond, including dust, dirt, solvent, paint, wax, oil, grease, contaminants from sweeping compounds, residual adhesive, adhesive removers, incompatible sealers, fire-retardant chemicals, fungicides, release agents, alkaline salts, excessive carbonation, laitance, mold, mildew and curing, sealing, hardening or parting compounds.
- Fill all surface cracks, grooves, depressions, control joints and non-moving joints with moisture resistant patching and self-leveling compounds, allow to fully cure and correct high spots before applying adhesive.
- The substrate, adhesive and flooring must be acclimated in an enclosed building with the HVAC operational at service temperature, between 60-95°F (15-35°C) and between 30-65% relative humidity, for at least 72 hours prior to, during and permanently after installation.
- When installing over radiant heated subfloors, turn the heat off for 72 hours before, during and after installation. Failure to turn the heat off may result in shortened working time of the adhesive. When turning radiant heat back on, raise it incrementally, not to exceed a change of more than 5 degrees per hour to a maximum of 85°F (29°C).
- **Pliteq** is not responsible for failures caused by significant plasticizer migration from flooring, contamination or substrates.

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INSTALLATION METHOD:

Pliteq FAS3 may be used as a semi-wet or dry-set adhesive. Follow flooring manufacturer's guidelines for acclimation, layout, design and any special precautions for installation.

1. Spread adhesive using required tools (see trowel selection and coverage chart below)
2. Install flooring per instructions below dependent upon desired application (flash and working times dependent upon temperature and humidity).
 - a. Dry-set, PSA (porous and non-porous substrates)
 - i. Wait 30-60 minutes after adhesive is spread to allow flash off. Adhesive will turn tan to visually cue installer.
 - ii. Working time approximately 12 hours.
 - b. Semi-wet set (porous substrates only)
 - i. Wait 20-30 minutes after adhesive is spread to allow it to skin over
 - ii. Working time approximately 20-30 minutes.
 - c. For sheet vinyl, back-roll the adhesive with an adhesive saturated roller to smooth out the trowel ridges.
3. Roll and cross roll floor with 75-100 lb roller at the end of the installation to ensure proper adhesive transfer.
 - a. Sheet goods - roll from center toward perimeter to expel trapped air.
 - b. Check flooring after 2 hours and roll again if necessary.
4. Additional precautionary notes:
 - a. Avoid flopping the material into the adhesive and use a three section hand roller to roll out the sheets onto the adhesive. This will reduce air entrapment under the sheets that could cause blistering later on.
 - b. Although this is a high-moisture tolerant adhesive, it does not form a moisture vapor barrier and will not protect flooring from moisture damage.
 - c. Wait 72 hours before heat welding sheet goods.
 - d. Wait 72 hours before wet mopping, or stripping/finishing the floor.
 - e. Reseal lid when not in use to protect product.

TECHNICAL DATA

BASE: Acrylic

APPEARANCE: Off Yellow (wet), Tan (dry)

APPLICATION TEMPERATURE: 60-95°F (15-35°C)

APPLICATION RELATIVE HUMIDITY: 30%-65%

RELATIVE HUMIDITY TEST (ASTM F2170): 99% - Adhesive tolerance. Always refer to the flooring manufacturers recommendations for substrate condition requirements

SUBSTRATE MVER (ASTM F1869): 12 lbs - Adhesive tolerance. Always refer to the flooring manufacturers recommendations for substrate condition requirements

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SUBSTRATE pH (ASTM F710):	5-12 - Adhesive tolerance. Always refer to the flooring manufacturers recommendations for substrate condition requirements
SUBSTRATE Porosity (ASTM F3191):	N/A
MOISTURE BARRIER:	No
FLASH TIME:	30-60 minutes (Dry-set)
WORKING TIME:	20-30 minutes (Semi-wet set/Dry-set) 12 hours (Dry-set)
CURE TIME:	12 hours
LIGHT TRAFFIC:	12 hours (Semi-wet set/Dry-set) 0 minutes (Dry-set)
HEAVY TRAFFIC:	24 hours
ROLLING LOADS:	48 hours
CLEANING:	While wet: Use a damp cloth and water to remove. While soft: Use denatured alcohol, mineral spirits or an adhesive remover/stripper. Always check compatibility on a piece of scrap flooring.
STORAGE:	50-90°F (10-32°C)
SHELF LIFE:	2 years [Unopened container at 70°F (21°C)]
FREEZE/THAW STABILITY:	Protect from freezing; Stable to 10°F (-12°C) [3 cycles]
VOC CONTENT:	< 11 g/L
CERTIFICATION:	Floor Score®; Green Label Plus®; GREENGUARD®; Material Health Certificate - Silver; mindful MATERIAL Library; Red List Free (LBC version 3.1); USGBC Member; LEED v4/4.1 Points
PACKAGING:	4 gallon (15.1 L)
QUANTITY/PALLET:	48



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TROWEL SELECTION AND COVERAGE:

This adhesive is capable of withstanding the substrate conditions for RH/MVER/CaCl₂/pH up to its stated specifications above. However, always refer to the flooring manufacturers recommendations for substrate condition requirements as the flooring may be impacted by the existing substrate conditions.

Flooring Type	Tool* (Images not to scale):		Estimated Coverage
BOND ONLY			
GenieMat to Porous Substrate	1/16" x 1/16" x 1/16" (1.6mm x 1.6mm x 1.6mm) Sq. Notch		150-180 ft ² /gal (3.68-4.42 m ² /l)
GenieMat to Non-Porous Substrate	1/16" x 1/32" x 1/32" (1.6mm x 0.8mm x 0.8mm) U Notch		220-260 ft ² /gal (5.40-6.38 m ² /l)
Sheet/Rolls to GenieMat			
Tiles/Planks to GenieMat			

*Trowel dimensions are width X depth X spacing. Coverage is approximate and may vary depending on porosity of substrate and the angle at which the trowel is held. *It is the sole responsibility of the contractor/installer to determine the proper porosity of the subfloor, apply the correct amount of adhesive for the job conditions and ensure that all instructions, procedures and practices are strictly adhered to.



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