

GENIE[®]MAT FAS

MODIFIED SILANE FLOORING ADHESIVE
FOR MOISTURE BARRIER APPLICATIONS



PRODUCT SPECIFICATION

PRODUCT NAME: GenieMat FAS

DESCRIPTION: **GenieMat FAS** is a Modified Silane, one component 100% solids, solvent free and isocyanate free adhesive that has 0.1 g/L VOC content, contains no hazardous chemicals as per OSHA Regulation CFR 1910.1200 and is a nonflammable, low odor adhesive that meets all federal, state, and local governmental indoor air quality regulations. This specially formulated adhesive has good early strength buildup for immediate grab and quickly builds into a tenacious but elastic resilient bond as the adhesive cross-links.

This adhesive is easy to clean up, even after it has dried on the flooring surface. When used according to directions this adhesive forms a solid membrane below the flooring to protect it from subfloor moisture. Concrete floors over one year old with high moisture readings are usually indicative of a chronic underlying moisture source problems which must be determined prior to the flooring installation.

APPLICATION: **GenieMat FAS** is ideal for glue-down installations on all grades, for **GenieMat** sound control underlayments, a broad variety of rubber/recycled rubber/linoleum floors, all types of engineered, solid or acrylic impregnated wood flooring and bamboo, designed to be installed using a wet-set glue down installation method.

INSTALLATION METHOD: Immediate wet set installation. Use a 100 lb 3-section roller and allow 8 hours before light traffic, 24 hours before heavy traffic and furniture.

TECHNICAL DATA

BASE: MS Polymer

APPEARANCE: Off-white

APPLICATION TEMPERATURE: 65 - 95°F (18 - 35°C)

APPLICATION RELATIVE HUMIDITY: 30% - 65%

RELATIVE HUMIDITY TEST (ASTM F2170): 95% - Adhesive tolerance and for moisture barrier applications with specified notched trowel. Otherwise follow flooring manufacturers specifications.

SUBSTRATE MVER (ASTM F1869): 15 lbs - Adhesive tolerance and for moisture barrier applications with specified notched trowel. Otherwise follow flooring manufacturers specifications.

SUBSTRATE pH (ASTM F710): No testing required (5-14) - For moisture barrier applications with specified notched trowel. Otherwise follow flooring manufacturers specifications.

SUBSTRATE Porosity (ASTM F3191): Must Pass (CSP 1+) - For moisture barrier applications with specified notched trowel. Otherwise follow flooring manufacturers specifications.

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MOISTURE BARRIER:	Protects flooring against substrate moisture vapor up to (95% RH and 15lbs MVER) with specified moisture barrier notched trowel & is not impacted by topical liquids
FLASH TIME:	N/A
WORKING TIME:	45 minutes
CURE TIME:	12 hours
LIGHT TRAFFIC:	6 hours
HEAVY TRAFFIC:	6 hours
ROLLING LOADS:	N/A
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:	Unopened packaging stored in proper conditions has a shelf life of 1 year.
FREEZE/THAW STABILITY:	Protect from Freezing; Stable to 10°F (-12°C) [3 cycles]
VOC CONTENT:	<0.1%gram/liter
CERTIFICATION:	Floor Score [®] ; Green Label Plus [®] ; GREENGUARD [®] - Gold; Material Health Certificate - Silver; mindful MATERIAL Library; Red List Free (LBC version 3.1); USGBC Member; LEED v4/4.1 Points
QUANTITY:	Pail: 4 gal (15.1 L)

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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. Moisture barrier application methods can be used to protect the flooring from elevated substrate conditions for RH/MVER/CaCl₂/pH up to the stated adhesive specifications with the specified moisture barrier notched trowel.

TROWEL SELECTION AND COVERAGE:

Flooring Types:	Tool* (Images not to scale):	Estimated Coverage:
BOND ONLY		
GenieMat to Porous Substrate	$\frac{1}{16}'' \times \frac{1}{16}'' \times \frac{1}{16}''$ (1.6mm x 1.6mm x 1.6mm) Sq. Notch	75-125 ft ² /gal (1.84-3.07 m ² /l)
GenieMat to Non-Porous Substrate Sheet/rolls to GenieMat Tiles/Planks to GenieMat	$\frac{1}{16}'' \times \frac{1}{32}'' \times \frac{1}{32}''$ (1.6mm x 0.8mm x 0.8mm) U Notch	180-250 ft ² /gal (4.42-6.14 m ² /l)
Turf to GenieMat	$\frac{1}{8}'' \times \frac{1}{8}'' \times \frac{1}{16}''$ (3.2mm x 3.2mm x 1.6mm) U Notch	50-65 ft ² /gal (1.23-1.60 m ² /l)
Parquet Hardwood	$\frac{1}{8}'' \times \frac{1}{8}'' \times \frac{1}{16}''$ (3.2mm x 3.2mm x 1.6mm) Sq. Notch	60-70 ft ² /gal (1.47-1.72 m ² /l)
All solid wood, engineered wood & bamboo, pre-finished or unfinished, all thicknesses	$\frac{3}{16}'' \times \frac{1}{4}'' \times \frac{5}{16}''$ (4.8mm x 6.4mm x 7.9mm) V Notch	Upto 50 ft ² /gal (Upto 1.23 m ² /l)
MOISTURE BARRIER		
All solid wood, engineered wood (planks less than 6' [1.83m] long and 5" [127mm] wide) & bamboo, pre-finished or unfinished	$\frac{1}{4}'' \times \frac{1}{4}''$ (6.4mm x 6.4mm) V Notch	75-125 ft ² /gal (1.84-3.07 m ² /l)
All solid wood, engineered wood (planks greater than 6' [1.83m] long and 5" [127mm] wide) & bamboo, pre-finished or unfinished	$\frac{1}{2}'' \times \frac{5}{32}''$ (12.7mm x 11.9mm) V Notch	Upto 20 ft ² /gal (Upto 0.49 m ² /l)

*Trowel dimension is width x depth x spacing. Coverage is approximate and may vary depending on porosity of substrate and 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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