V-ONE®

Pressure-Sensitive Adhesive for Resilient Flooring

MOHAWK | PERFORMANCE ACCESSORIES

TECHNICAL DATA SHEET



KEY FEATURES

High Tack/Grab/ Strength Bond

99% RH
Will not emulsify due to moisture after 14 days.

Extended Working Time for Flexible Installations

TROWEL & COVERAGE RATE

Trowel	Coverage
3/8” Nap Paint Roller **Type:** Sheet Vinyl *(Porous and Nonporous)*	Up to 350 ft² / U.S. gal
1/16” × 1/16” × 1/16” Square Notch **Type:** LVP, LVT *(Porous)*	Up to 180 ft² / U.S. gal
1/16” × 1/32” × 1/32” U-Notch **Type:** LVP, LVT *(Nonporous)*	Up to 250 ft² / U.S. gal

*Trowel dimensions are width × depth × spacing. Coverage is approximate and may vary depending on porosity of substrate, the amount of adhesive applied, and the angle at which the trowel is held. Trowel illustrations shown above are not at 100% scale.

PRODUCT DESCRIPTION

V-One® is a clear-set, solvent-free, multifunctional pressure-sensitive adhesive designed for the interior installation of sheet goods, LVT/LVP, and composite tile over approved substrates. Formulated to provide extended working time, it supports flexible installation methods across both porous and nonporous surfaces when proper substrate preparation and environmental conditions are maintained. V-One adhesive delivers reliable adhesion performance when installed using recommended application methods.

APPROVED FLOORING TYPES

- Sheet Vinyl
- LVP / LVT
- Composite Tile

APPROVED SUBSTRATES

- Concrete
- Gypcrete*

*Advisable to apply a coat of Performance Accessories PrimeCoat and allow to dry prior to installation of flooring.

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LIMITATIONS

- RH = 99% [ASTM F2170]
- pH = 5-12 [ASTM D4262]
- MVER = 12 lbs [ASTM F1869]

SUBSTRATE REQUIREMENTS

Substrates must be sound, smooth, dry, and clean. Concrete substrates must meet moisture and pH requirements when tested in accordance with applicable ASTM standards and conform to ASTM F710. The installation site must be acclimated with HVAC systems in operation. The floor and room temperature, as well as flooring materials and adhesive, must be maintained at a temperature between 65°F and 85°F with the humidity below 65% for 48 hours prior to, during, and after the testing and installation. Do not use over chemically cleaned substrates, treated plywood, or over cutback adhesive residue.

SURFACE PREPARATION

Surfaces must be mechanically cleaned to remove dirt, wax, loose paint, existing adhesives, and other contaminants that may interfere with bond performance. Seal porous or dusty concrete surfaces with Performance Accessories® PrimeCoat. Nonporous or low-absorption concrete surfaces should be mechanically abraded to promote adhesion. Where cutback adhesive residue is encountered, apply a coat of Performance Accessories SurfaceSeal prior to installation. If installation is over gypcrete, it is advisable to apply a coat of Performance Accessories PrimeCoat and allow to dry before installation of flooring.

To test for concrete slab porosity, place a 0.05 mL bead of water on the surface to observe absorption. If the water is not absorbed within one minute, the floor should be considered nonporous. Nonporous concrete surfaces are generally rendered porous by mechanically abrading the surface of the concrete.

MIXING

No mixing required.

INSTALLATION INSTRUCTIONS

Fiberglass Sheet Installation: Porous/Nonporous



DRY-TO-THE-TOUCH FLASH TIME

3/8" NAP PAINT ROLLER

1. Apply V-One adhesive using the recommended application method.
2. Allow adhesive to flash for 30–60 minutes until dry to the touch with little or no transfer to the finger.
3. Install fiberglass sheet flooring into the adhesive.*
4. Remove air pockets using the "broom method" or installer's preferred technique.

**Do not install flooring into wet adhesive on nonporous substrates.*

LVP/LVT or Composite Tile Installation: Porous



SEMI-WET FLASH TIME

1/16" × 1/16" × 1/16" SQUARE NOTCH

1. Apply V-One adhesive using the recommended application method.
2. Allow adhesive to flash for 15–20 minutes for a semi-wet installation.
3. Install LVP/LVT or composite tile into the adhesive.*
4. Roll the installation in both directions with a 75–100 lb. three-section roller immediately after installation.
5. Check the installation after 1–2 hours and roll again if necessary.

**Loss of adhesion can result if the flooring is not installed within the working time of the adhesive.*

LVP/LVT or Composite Tile Installation: Nonporous



DRY-TO-THE-TOUCH FLASH TIME

1/16" × 1/32" × 1/32" U-NOTCH

1. Apply V-One adhesive using the recommended application method.
2. Allow adhesive to flash for 30–60 minutes until dry to the touch with little or no transfer to the finger.
3. Install LVP/LVT or composite tile into the adhesive.*
4. Roll the installation in both directions with a 75–100 lb. three-section roller immediately after installation, ensuring complete contact with the adhesive.
5. Check the installation after 1–2 hours and roll again if necessary.

**Do not install flooring into wet adhesive on nonporous substrates.*

INSTALLATION INSTRUCTIONS CONT.

Restrict foot traffic for 24 hours after installation. No heavy traffic, rolling loads, or furniture placement for 48 hours after installation. Additional time may be necessary if the installation is over a nonporous substrate. Allow at least five days following the installation before conducting wet cleaning procedures or initial maintenance. V-One cured adhesive will not emulsify due to moisture after 14 days; however, pH ranges must be followed (5–12).

CLEANUP

- **Wet:** Use soap and water to clean up while adhesive is still wet.
- **Dry:** Use mineral spirits.

STORAGE

This product should be stored at temperatures between 50°F and 90°F (15°C and 32°C). While this product is freeze-thaw stable, it is necessary to protect it from freezing. Freeze-thaw stable to 10°F (-12°C).

Shelf Life: Two years from manufacturing date in an original unopened container

CAUTION

DO NOT take internally. If swallowed, **DO NOT** induce vomiting; call a physician immediately. **KEEP OUT OF REACH OF CHILDREN.**

WARRANTY

This product is manufactured according to exacting quality control standards and is warranted to be free from manufacturing defects. Defective material called to our attention within one year of manufacture will be replaced. No guarantee, expressed or implied, is made regarding the performance of this product since the manner and conditions of application are beyond our control.

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CHARACTERISTICS	
Classification	Clear-set, multifunctional adhesive
Base Chemistry	Hybrid acrylic
Curing Method	Pressure-sensitive *(dries to tack)*
Appearance/Color	N/A
Odor	Extremely low
Consistency	Smooth, medium viscosity liquid
Flammability	Nonflammable
Freeze/Thaw	Stable to 10°F / -12°C
Shelf Life	2 years *(unopened)*
INSTALLATION LIMITS	
Moisture Control	No
RH [ASTM F2170]	Up to 99%
pH [ASTM D4262]	5–12
MVER [ASTMF 1869]	12 lbs
Porosity	Porous and nonporous
Application Temp. Range	65°F–85°F
TIMES	
Open Time	N/A
Flash Time	30–60 min. *(dry-to-touch)* 15–20 min. *(semi-wet)*
Working Time	24 hours
Cure Time	N/A
Heat Weld	N/A

RETURN TO SERVICE	
Light Traffic	24 hours
Heavy Traffic	48 hours
ACOUSTICS	
IIC	N/A
Delta IIC	N/A
ENVIRONMENTAL	
Solvents	Solvent-free
VOCs	Less than/equal to 0.5 mg/m^3
LEED	Eligible for Low-Emitting Materials credit
PACKAGING	
Quantity	4 gal *(48 pallet quantity)* 1 gal *(180 pallet quantity)*

CERTIFICATIONS

floor score