

# TECH DATA

Technical Information Sheet



## TECHNICAL DATA:

- FREEZE-THAW STABILITY: Stable above +10° F or 12.2° C up to 5 cycles. Protect from freezing. DO NOT STORE OUTDOORS. If frozen thaw completely at room temperature. Determine suitability of the adhesive before attempting to complete the installation.
- SHELF LIFE: Minimum one year at 70° F
- OPEN TIME: 20 to 35 minutes
- COLOR: White
- PACKAGING: 4 Gallon Pails
- LIMITATIONS: Do not expose newly covered floors to heavy traffic for 72 hrs.

**CLEANUP:** Excess fresh adhesive should be removed immediately with soapy water and a damp cloth. If the adhesive dries, a white cotton cloth dampened with naphtha or mineral spirits should be used to remove it. Never pour solvents directly on to floor coverings. Be careful. Naphtha and mineral spirits are harmful to certain floor coverings and may ruin the bond of this adhesive if it gets under the floor covering. **Naphtha and mineral spirits are flammable. Vapors are harmful and can explode violently and cause flash fires.** These vapors will concentrate in low lying areas. Use with adequate ventilation, and eliminate all sources of ignition. Do not smoke while using solvents. Place solvent soaked cloth outdoors away from children and pets to dry before disposing of them.

**CAUTION:** Use adequate ventilation. Avoid prolonged breathing of vapors. After using, be sure to wash your hands thoroughly, particularly before eating. May cause skin and eye irritation. Avoid contact with skin and eyes. Keep container closed. Thoroughly wash exposed area with soap and water. Eyes: flush with large amounts of water, lifting upper and lower lids occasionally; call a physician immediately. Ingestion: Do not induce vomiting. Call a physician immediately. **KEEP OUT OF REACH OF CHILDREN. [Refer to Material Safety Data Sheet (MSDS) for further information.]**

# APAC

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Vapor Master

# APAC VM568

ULTRA PREMIUM LUXURY VINYL TILE, VINYL PLANK  
& VINYL SHEET GOODS ADHESIVE



## DESCRIPTION

Vapor Master VM-568 Luxury Vinyl Tile, Vinyl Plank, and Vinyl Sheet Goods Adhesive is a ultra premium vinyl and PVC backed, floor covering adhesive. This product was specially developed for the installation of a broad range of resilient floor covering over most porous substrates. VM-568 is an excellent choice for the installation of virtually all types of luxury vinyl tile, and plank over porous concrete or wood substrates, as well as most brands of solid vinyl sheet goods, including vinyl / PVC laminates. These installations can be made utilizing VM-568 over concrete slabs with MVE (moisture vapor emission) rates of up to 8 pounds per ASTM 1869, or insitu relative humidity ratings of up to 90% per ASTM F2170 without further moisture vapor remediation. This product has excellent resistance to high pH (alkalinity), and does not require any topical pH blocker, or coatings, "see Preparation". VM-568 is formulated with ECOPROTEK®, our proprietary blend of biocides, that protect the adhesive from the growth of mold, mildew, and bacteria in both the wet and dry state.

VM-568 is **not** designed to be used over floors with MVE from water of intrusion, or hydrostatic pressure. It is designed for slabs with excess vapor emission from the water of hydration, or initial mixing.

## FEATURES & BENEFITS:

- Solvent Free; Exceeds LEED Requirements
- LIFETIME Performance
- Warranted Over Concrete Slabs with Up to 8 Pounds Moisture Vapor Emissions
- Contains ECOPROTEK® antimicrobial protection
- Super High Peel and Shear Strength
- Excellent Water and Alkali Resistance
- Ultra Firm Setting

## RECOMMENDED FOR USE:

- RESILIENT FLOOR COVERING - vinyl plank, luxury vinyl tile, vinyl sheet goods, vinyl and PVC laminates

## RECOMMENDED SUBSTRATES:

- Most porous substrates including patching and self-leveling compounds, cement terrazzo that has been made porous by grinding, and concrete (on, above and below grade in the absence of excess moisture and alkali). All sealed or nonporous concrete must be made porous

by grinding, sanding, or acid etching before the application of the adhesive. VM-568 is not recommended over impervious substrates. Check concrete slabs for porosity by placing dime to quarter size drops of water in several locations throughout the slab, if the water begin to soak into the concrete within 30 minutes your slab is porous enough for floor covering installation with VM-568. If a slab is only marginally porous then allow a short open time for some of the water in the adhesive to flash off, then lay floor covering in place and roll immediately with a 100 pound roller. (Do not allow adhesive to skin over.) Over porous concrete apply adhesive, and lay floor covering in and roll immediately to ensure a good bond. **All concrete slabs on, or below grade must have a functioning vapor barrier directly under the concrete slab. The vapor barrier must always be on top of the capillary break.** (All concrete slabs must be cured and free of curing agents, excessive alkali and moisture, etc.)

## MOISTURE TEST:

- Preform testing for moisture vapor emissions per the anhydrous calcium chloride test method ASTM 1869, or use the insitu R.H. test method ASTM F2170. Also test for excess alkalinity before applying adhesive and floor covering. Take corrective action if pH is higher than 11.0, moisture vapor emission rates are higher than eight pounds, or insitu R.H. is over 90%.

## DIRECTIONS

### Surface Preparation:

For proper results when installing floor coverings with VM-568 always climatize the adhesive, floor covering, and installation area per the floor covering manufacturers specifications. At a minimum this should be to store the adhesive, and the floor covering at the job site for at least 24 hours with the job site environment at a minimum of 65°F, and a relative humidity between 45% to 65%. Area to be covered must be clean, sound, dry and free of any foreign matter that would interfere with a solid bond. No new floor covering can correct an uneven floor. Level any high spots, and fill all cracks, holes and

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minor depressions with a suitable underlayment or floor patch, otherwise irregularities can “telegraph” through the new surface.

**pH remediation:** Concrete substrates must be clean and free of efflorescence, alkaline scale, dirt, mortar residue, sheetrock mud, and dust as part of the remediation process. Cleaning may require any combination of scraping, sanding, sweeping, and vacuuming. For concrete slabs with a pH or 9.0 to 11.0 damp mop the prepared floor with clean water and allow to dry. Then apply adhesive, and floor covering.

For concrete slabs with a pH higher than 11.0, clean and prep floors as mentioned above, afterward mop the entire floor with a 10% muriatic acid and water solution, followed by a thorough rinsing with clean water. Then allow the floor to dry. You are now ready for application of adhesive and floor covering.

#### Application:

VM-568 has been specially formulated to act as both an ultra premium resilient flooring adhesive, and also to function as a moisture vapor emissions retarder. This adhesive can be used over concrete slabs with up to 8 pounds of MVE per ASTM 1869, or up to 90% R.H. per ASTM test method F2170 without any further moisture vapor remediation. VM-568 is a firm setting wet install acrylic based adhesive that is an excellent choice for all types of luxury vinyl tile, vinyl plank, and solid vinyl commercial roll goods. The firm setting characteristics of this adhesive makes it resist shrinking and end gapping in vinyl plank installations, and also make it an excellent choice for commercial vinyl application where floors will be subjected to heavy rolling traffic, such as hospitals, nursing homes, and schools.

Installations made with VM-568 must be laid into the adhesive while it is still wet, do not allow adhesive to skin over. All substrates must exhibit some amount of porosity, with the ability to absorb water topically, otherwise the adhesive will not set-up and cure. VM-568 is not recommended for impervious substrates. In all the referenced installations the VM-568 acts as an adhesive as well as a MVE reducer, therefore all applications require the adhesive to be troweled on the substrate, and then rolled with a short nap paint roller, (pre-wet the roller with adhesive

before rolling begins). The trowel acts as a meter to ensure the proper amount of adhesive is used, and the roller spreads the adhesive to make a consistent film over the surface of the substrate.

Once the adhesive is rolled lay floor covering into the wet adhesive, this will ensure good transfer. Then roll the entire floor with a 100 pound roller. Roll the floor while the adhesive is still soft and wet underneath the flooring this will ensure good bonding. Seal seams where appropriate, and restrict to light traffic for 24 hours, restrict from heavy traffic for 72 hours.

**Warning!** Do not sand, scrape, abrade, chip, pulverize, or demolish existing resilient tile and sheet flooring, backing, lining felt, adhesive, or adhesive residue. These products may contain asbestos fibers that are not readily identifiable. Avoid creating dust. Inhalation of asbestos dust may cause asbestosis or other serious bodily harm. If old floors must be removed, consult and follow the recommended work practices of the resilient flooring manufacturers.

#### RECOMMENDED TROWEL AND APPROXIMATE COVERAGE:



Short Nap Roller is to be used to spread the adhesive after it has been applied with the proper trowel.

1/16 X 1/32 X 1/32

Up to 200 square feet per gallon  
Luxury vinyl tile/plank, and solid vinyl sheet goods  
over marginally porous surfaces



1/16 x 1/16 x 1/16

Up to 150 square feet per gallon  
Luxury vinyl tile/plank, and solid vinyl sheet goods  
over porous surfaces

*Trowel size dependent on substrate roughness, porosity, and floor covering backing. If 100% transfer is not being achieved, use a larger trowel.*

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