

TECH DATA

Technical Information Sheet



TECHNICAL DATA:

- BASE: Acrylic / COLOR: White
- CONSISTENCY: Soft, Creamy
- OPEN TIME: Approximately 50 minutes. Tack time: 2 - 3 hours; depending on temperature, humidity, substrate and trowel size.
- SHELF LIFE: Minimum one year at room temperature
- FREEZE-THAW STABLE: Stable for five cycles at 10°F. Water-borne adhesives should be stored at above freezing temperatures. Multiple freeze-thaw cycles must be avoided. Freeze-thaw protection is intended to protect adhesive during winter shipment.
- V.O.C.: Solvent free; Non-Photochemically Reactive; Complies with SCAQMD Rule 1168

CLEANUP: Remove any excess adhesive immediately with soapy water. Dried adhesive can best be removed with a non-flammable cleaner. Dried adhesive may be difficult to remove; therefore take care to remove adhesive from the surface of tile before it dries.

LIMITATIONS: For interior installations only. Do NOT use when the substrate temperature is below 50°F (10°C) or above 90°F (32°C), or when relative humidity exceeds 65%. Do NOT apply directly over gypsum based substrates. Apply V-BLOCK™ prior to installation.

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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APAC 564

WHITE UNIVERSAL RESILIENT FLOORING ADHESIVE

With **ECOPROTEK™** TOTAL ANTIMICROBIAL PROTECTION



DESCRIPTION

APAC 564 White Universal Resilient Flooring Adhesive is a high shear, high peel strength floor covering adhesive designed for the installation of virtually all types of resilient flooring. 564 has pressure sensitive characteristics that allows floor coverings to be applied over both porous and nonporous substrates. This product is excellent for making contact bonds for the installation of hard to bond materials over nonporous surfaces. 564 dries and cures to a tough rubbery film that retains tack, while building the bond strength to minimize curling of all types of tile. 564 can be used to install solid vinyl plank over both porous and nonporous substrates with minimal joint opening caused by contraction of the vinyl. 564 is another ECOlogical high-performance adhesive engineered and manufactured by APAC. This product is manufactured from advanced acrylic technology and has good resistance to alkali, moisture and plasticizer. 564 is nonstaining under resilient flooring of all kinds and contains **ECOPROTEK™** our proprietary antimicrobial blend. **ECOPROTEK™** resist fungal and bacterial attack of the film in both the wet and dry state.

564 is truly a unique universal adhesive for the installation of a broad range of flooring products. This product develops very high bond strength. It can be used to form contact bonds that allow for materials like stair treads, both vinyl and rubber, to be installed and put into light service shortly after applying and rolling.

FEATURES & BENEFITS:

- Universal flooring adhesive
- Advanced acrylic technology
- Used to make contact bonds
- Very high shear and peel strength
- Can be used over porous & nonporous substrates
- Solvent Free; Nonstaining; Freeze-thaw stable
- Outstanding alkali resistance for excellent installations over concrete
- Excellent green strength development
- Contains **ECOPROTEK™** antimicrobial

WARRANTY:

- Limited Warranty

USES:

- CARPET – vinyl backed, both tile and roll goods, and hard to bond synthetic backed carpets
- RESILIENT – solid vinyl tile, vinyl plank, VCT, VET, vinyl skin backed, solid vinyl sheet goods, heavy commercial vinyl roll

goods, felt back sheet good, linoleum and linoleum tile.

- OTHER MATERIALS FOR INTERIOR APPLICATIONS – rubber & vinyl tile, rubber & vinyl stair treads, cork tile, cork roll goods, foamed back parquet

NOTE: All of the above products can be installed over both porous and nonporous substrates, as per our installation instructions. 564 can also be used as a flash cove adhesive.

RECOMMENDED SUBSTRATES:

- Plywood, hardboard, particle board of underlayment quality only, lining felt, cement, terrazzo and a sound wax-free resilient floor, VCT, birch & Luan underlayment, self leveling compound and gypcrete. Gypcrete must be sealed with APAC V-BLOCK™ Primer-Sealer before installation. (All concrete slabs must be thoroughly cured and free of curing agents, excessive alkali and moisture.)

DIRECTIONS

Surface Preparation:

For proper results, the room, floor covering and adhesive should be a minimum of 65°F for 24 hours before and 48 hours after installation. Area to be covered must be clean, sound, dry and free of dust, dirt, wax, oil or grease, concrete curing compounds, and any other foreign matter that would interfere with a good bond. No new floor covering can correct an uneven floor. Level any high spots, and fill all cracks, holes and minor depressions with a suitable underlayment or floor patch. Otherwise, irregularities can “telegraph” through the new surface. Porous surfaces should be sealed by applying a single coat of APAC V-BLOCK™ Primer-Sealer with a short nap paint roller and allowed to dry before making final application with the recommended trowel.

RECOMMENDED TROWEL AND APPROXIMATE COVERAGE:

1/16 x 1/16 x 1/16

135-145 square feet per gallon
Heavy sheet goods, commercial vinyl tile, vinyl plank, rubber flooring, tile, foam back, parquet, cork, commercial linoleum, and vinyl back carpet over porous substrate

1/16 X 1/32 X 1/32

250 square feet per gallon
VCT, VET, solid vinyl tile, all sheet goods, linoleum, and linoleum tile over nonporous surfaces

Trowel recommendations are based on common practice. The amount of adhesive necessary to achieve proper bonding depends on several factors including, but not limited to: substrate texture, sealed versus unsealed surface, and texture of floor covering backing. Enough adhesive to coat sub-floor and material backing should be used without forming a thick sandwich of adhesive between the two.

NOTE: Test floor for vapor emissions in accordance with the anhydrous calcium chloride ASTM Test Method 1869-98. Vapor emissions should not exceed the industry standard of <3 pounds per 1,000 square feet in a 24 hour period. Moisture may retard or prevent adhesive from setting. Also test for excess alkalinity, pH higher than 9.0 will require corrective measures. Consult APAC's technical services department if the moisture emissions are more than three pounds and less than eight pounds. Use of ENCapSeal™ is recommended to lower moisture vapor emissions within these levels.

Warning! Do not sand, abrade or demolish existing resilient tile and sheet flooring, backing or lining felt. 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.

Application:

APAC 564 can be used to apply a broad range of floor covering products. With good up front pressure sensitive characteristic, this product offers the ability to install over nonporous surfaces using both the tacky or dry-lay installation method. Over porous surface the adhesive can be spread and floor covering laid in immediately. This would be the preferred method for installing roll goods of all kinds over porous surfaces. For quicker bond strength gain, allow short open time when installing roll goods over porous surfaces. Temperature and humidity affect open and drying time. Humidity above 65% will slow drying time. Temperature should be above 65°F. For tile applications spread adhesive with proper trowel, and allow the adhesive to flash off until tacky, then begin laying tile. Tile should be laid in place and rolled within two hours of tile being placed. Roll as you go on all flooring types to ensure good bonding. 564 is a very firm setting pressure sensitive acrylic adhesive. It is important to seat material by rolling before adhesive firms up too much. This will prevent telegraphing of adhesive lines through to the surface on tile and sheet goods installations. Extremely dry, or

porous surface, all Gypcrete, and light weight concrete should be sealed and primed with an application of APAC V-BLOCK™ prior to adhesive application. When installing stair treads, or raised dot tile, and other hard to bond backing over nonporous substrates the contact bond method can be utilized. Apply adhesive to substrate, and also to the back of the flooring material, allow both to flash off until tacky dry. Join material to substrate in exact position desired and roll. Adhesive can be applied using a notched trowel, paint brush, or roller, bearing in mind that you have adhesive on both surfaces. Therefore, the application to each surface must be half of the total adhesive required for bonding. Smooth surfaces require less adhesive. Rough or ribbed surfaces require more adhesive. Seal floors with V-BLOCK™ to extend working time in dry climates or periods of low humidity. This may be necessary when applying pattern match carpeting and sheet vinyl.

Things to Remember:

- Subfloor must be inspected to determine porosity, moisture emissions and alkalinity before floor prep begins. Determine if there are curing compounds or sealers that might prevent proper bonding.
- Subfloor preparation must meet industry and APAC standards. When in doubt consult manufacturer.
- Site conditions must be climatized per these instructions.
- Floor coverings must be climatized per floor covering manufacturers recommendations.
- Non-porous surfaces may require tacky or dry lay method depending on type of floor covering.
- When pattern matching over porous surfaces, lay into adhesive immediately.
- Always roll floors within two hours after laying. Use heavy rollers over all resilient flooring. Recommended roll weight 150 pounds.
- Contact bonds should be joined as soon as both substrates dry tacky to the touch with no transfer to finger tips.
- Contact bonds must be rolled immediately after joining to seat and flatten adhesive into place. Use heavy roller.

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ASSOCIATIONS:

