



AP-520 Roll -On / Trowelable

ADHESIVE TECHNICAL DATA

Excelsior AP-520 Roll-On Adhesive is a roller or trowel applied acrylic pressure sensitive adhesive used for the installation of LVT, LVP and approved Rubber flooring products over porous and non-porous substrates in indoor applications; it is a low odor, non-flammable, solvent-free and ready to use product

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| Product Type | Pressure Sensitive Acrylic Adhesive for porous (absorptive) and non-porous (non-absorptive) substrates |
| Characteristics | Orange Liquid |
| Packaging | 3 Gallon Unit |
| Moisture Control Properties | Not a moisture inhibitor or mitigation product |
| ASTM F2170 - RH Limit | 90%, <i>in situ</i> |
| ASTM F1869 - MVER Limit | 6 lbs. / 1000 sq. ft. / 24 hours |
| ASTM F710 - pH Limit | ≥ 7 - ≤ 9 |
| ASTM D6004 - Adhesive Shear Resistance | Excellent |
| ASTM D6862 - 90° Peel Resistance | Excellent |
| ASTM D7888 - Plasticizer Resistance | Excellent |
| ASTM D7149 - Freeze Thaw Stability | Up to 5 Cycles, Down to 0° F |
| ASTM F1337 - Shelf Life | 2 Years from Manufacturing Date |

Reading the Date Code B210201515293

Ignore the B, focus on the 210201 which is Year (21) Month (02) and Day (01), ignore the balance as it is for batching information for manufacturer
Located on the lower left corner of the label under the UPC code

Service & Storage Temperature 65° - 85° F

Shelf Life depends on proper storage within service & storage temperatures in unopened container

See installation document for full installation details regarding approved substrates, job site conditions and acclimation procedures.

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| Application Method | Roller and/or Trowel Applied |
| Resilient Flooring Roller Size & Coverage | 3/8" Nap Paint Roller, 1200 sq. ft. per Unit |
| Resilient Flooring Trowel Sizes & Coverage | 1/16" x 1/32" x 1/32" U Notch, 225 sq. ft. per Gallon |
| Flash Time | Dry to Touch |
| Working Time | Covered & Rolled within 3 Hours |
| Access Times During & After Installation | Heat Welding Immediately Light Foot Traffic Immediately Heavy Foot Traffic and Rolling Loads ≥ 24 Hours Maintenance ≥ 72 Hours |

Trowel Notch Dimensions are Depth x Width x Space

Coverage Rates are approximate and subject to level of porosity as well as ambient conditions, angle of the trowel, actual results may vary

Flash time and working time will vary with conditions; higher temps with higher humidity will be shorter than lower temps with lower humidity

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| Sustainability Information | Made in the U.S.A. Meets Buy America Act (49 CFR Part 661) Meets Buy American Act (41 USC §§ 8301-8303) |
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- Contributes to LEED v4/4.1
- ≤ 1.0 grams/liter VOC Content (SCAQMD Rule 1168)
- Meets SCAQMD Rule 1168 Requirements
- FloorScore Certification
- Meets CA 01350 Requirements
- HPD Available
- Red List Chemical Free
- Contains No Recycled Content

California Prop 65 Labeling

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm

The following information is provided as general guidance, always refer to the current installation information on the product website for the resilient flooring being installed for complete information

Approved Flooring Products

- Rubber Tiles & Sheet
- LVT/LVP
- Underlayments

Approved Substrates & Surfaces

- Concrete above, on, or below grade; properly prepared for moisture sensitive resilient flooring in place a minimum of 45 days
- APA rated plywood underlayment
- Properly prepared Portland cement based patches & underlayments
- Properly prepared Gypsum cement based underlayments
- Properly prepared VCT, VAT, Quartz Tile, Solid Vinyl Tile, Vinyl Sheet
- Code
Properly prepared Ceramic Tiles
- Properly prepared Stone & Terrazzo Tiles
- Properly prepared Steel & Aluminum
- Epoxy Mitigation & Sealers (100% solid and fully cured)
- Stained concrete that is sound, smooth and free of waxes, cleaners and any other bond inhibiting substances
- Radiant heated sub-floors

Site Requirements

During acclimation, the site must be fully enclosed, weather tight, and material must be in the installation area with the HVAC system functional and operating at desired service temperatures for a period of 48 hours prior. It is recommended to maintain an ambient relative humidity between 40% and 60% for a period of 48 hours prior to installation, during the installation and for the service life of the installation afterwards.

Substrate Requirements

- All substrates must be prepared according to the information contained within the product installation instructions.
- Concrete substrates, whether on-grade and/or below grade must have an intact and effective moisture vapor barrier which meets the current requirements of ASTM E1745.
- Substrates must be clean, smooth, permanently dry, flat, and structurally sound.



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Substrates must be free of visible water or moisture, dust, sealers, paint, sweeping compounds, curing compounds, residual adhesives, concrete hardeners or densifiers, solvents, wax, oil, grease, asphalt, visible alkaline salts or excessive efflorescence, mold, mildew and any other extraneous coating, film, material or foreign matter.

Adhesive Clean-Up

Uncured Adhesive can be removed with solution of 70% isopropyl alcohol and a clean cloth.

Cured adhesive will be difficult to remove from wall and flooring surfaces, ensure removal prior to curing.

Product & Substrate Restrictions

Not designed for use with products manufactured with polyolefin, polyethylene, or polypropylene.

Not designed for use on substrates that have been exposed to adhesive removers, solvents, or chemical cleaners.

Disposal

Disposal in accordance with local, state and federal regulations.

Do not allow product to get into drains, watercourses, or landfills.

Hardened product residues are considered construction waste.

Empty packaging is recyclable.

Product Warranty

1 Year Manufacturers Warranty

See product warranty for full details regarding bond warranty, limitations, and warranty coverage.

Technical Support

solutions@rhctechnical.com

Product Support

solutions@rhctechnical.com

Technical Documentation

www.excelsiorproducts.net