



AW-510 Acrylic Wet-Set

ADHESIVE TECHNICAL DATA

Excelsior AW-510 Adhesive is an acrylic wet-set adhesive used for the permanent installation of dimensionally stable Solid Vinyl Tile, LVT, LVP, approved Rubber, Resilient Quartz flooring, and stair tread products over porous and non-porous substrates in indoor applications; it is a low odor, non-flammable, solvent-free and ready to use product

Product Type	Wet-Set Acrylic Adhesive for porous (absorptive) and Transitional Pressure Sensitive Adhesive for non-porous (non-absorptive) surfaces
Characteristics	Off-White Paste
Packaging	1 Gallon Unit 4 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 - ≤ 10
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	60° - 85° F
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*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.*

Application Method	Trowel Applied
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Resilient Flooring Trowel Sizes & Coverage	
(Absorptive) Porous Substrates	1/16" x 1/16" x 1/16" V Notch, 160 sq. ft. per Gallon
(Non-Absorptive) Non-Porous Substrates	1/16" x 1/32" x 1/32" U Notch, 225 sq. ft. per Gallon

Flash / Open Time	
(Absorptive) Porous Substrates	5 - 10 Minutes
(Non-Absorptive) Non-Porous Substrates	Dry to Touch, No Transfer to Finger, Valleys Clear

Working Time	
(Absorptive) Porous Substrates	Adhesive Covered & Flooring Rolled within 60 Minutes
(Non-Absorptive) Non-Porous Substrates	Adhesive Covered & Flooring Rolled within 75 Minutes



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Access Times During & After Installation

- Heat Welding ≥ 24 Hours
- Light Foot Traffic ≥ 24 Hours
- Heavy Foot Traffic and Rolling Loads ≥ 48 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*

Attributes & Certifications

- Made in the U.S.A.
- Meets Buy America Act (49 CFR Part 661, 49 U.S.C. 5323)
- Meets Buy American Act (7 CFR Part 1787, 41 U.S.C 8301-8305)
- Meets Federal Acquisition Regulation (FAR 52.225-9)
- Contributes to LEED v4/4.1
- ≤ 0.1 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
- Solid Vinyl Tile (Wet-Set Application Only)
- Resilient Stair Treads (Wet-Set Application Only)
- 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
 - Radiant heated sub-floors
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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.

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@rhctechical.com

Product Support

solutions@rhctechical.com

Technical Documentation

www.excelsiorproducts.net