



U-705 Urethane Adhesive

TECHNICAL DATA

Excelsior U-705 Urethane Adhesive is a single component wet-set urethane adhesive used for the permanent installation of all resilient and athletic flooring products over porous and non-porous substrates. When cured it is water resistant and has high shear strength and is the perfect choice for areas with topical moisture, heavy traffic and rolling loads both indoors and outdoors including areas with sunlight and not climate controlled; it is a low odor, non-flammable, solvent-free and ready to use product

Product Type	Wet-Set Urethane Adhesive for porous (absorptive) and non-porous (non-absorptive) surfaces
Characteristics	Cream Colored Paste
Packaging	3 Gallon Unit
Sustainability Information	Contributes to LEED v4/4.1 ≤0.0 grams/liter VOC Content (SCAQMD RULE 1168) Meets SCAQMD Rule 1168 Requirements
Moisture Control Properties	Not a moisture inhibitor or mitigation product
ASTM F2170 - RH Limit	99.9%, <i>in situ</i>
ASTM F1869 - MVER Limit	25 lbs. / 1000 sq. ft. / 24 hours
ASTM F710 - pH Limit	≤ 14
ASTM D7149 - Freeze Thaw Stability	Non-Freezing
ASTM D1337 - Shelf Life	1 Year from Manufacturing Date
Reading the Date Code	02 February 2021 Located on a white sticker on top of the pail
<i>Shelf Life depends on proper storage within service & storage temperatures in unopened container</i>	
ASTM D6004 - Adhesive Shear Resistance	Excellent
ASTM D6862 - 90° Peel Resistance	Excellent
ASTM D7888 - Plasticizer Resistance	Excellent
California Prop 65	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
Application Method	Trowel Applied
Resilient Flooring Trowel Sizes & Coverages	
(Absorptive) Porous Substrates	1/16" x 1/16" x 1/16" V Notch, 160 sq. ft. per Gallon
(Non-Absorptive) Non-Porous Substrates	1/32" x 1/16" x 1/32" U Notch, 235 sq. ft. per Gallon
Athletic Flooring Trowel Sizes & Coverages	
(Absorptive) Porous Substrates	3/32" x 3/32" x 3/32" V Notch, 135 sq. ft. per Gallon
(Non-Absorptive) Non-Porous Substrates	1/16" x 1/16" x 1/16" V Notch, 160 sq. ft. per Gallon



U-705 Urethane Adhesive

TECHNICAL DATA

Flash Time

(Absorptive) Porous Substrates Immediate

(Non-Absorptive) Non-Porous Substrates 10-15 Minutes

Working Time

40 Minutes

Trowel notch dimensions are Width x Depth x Separation

Coverage rates are approximate and subject to level of porosity as well as ambient conditions as well as angle of the trowel, actual values may vary from stated amounts

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

Access Times During & After Installation

Heat Welding 24 Hours

Light Foot Traffic 12 Hours

Heavy Foot Traffic 24 Hours

Heavy Rolling Loads 24 Hours

Maintenance 48 Hours

Service & Storage Temperature

65°-85° F

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 Sheet & Tile

LVT/LVP

Solid Vinyl Tile

Resilient Stair Treads

Athletic Flooring

Recycled Crumb Rubber Products

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, sheet goods

Ceramic tiles

Stone & Terrazzo tiles

Steel & Aluminum

Epoxy Mitigation & Sealers (100% solid and fully cured)

Stained concrete that is sound, smooth and free of

<p>Approved Substrates & Surfaces...</p>	<p>waxes, cleaners and any other bond inhibiting substances</p> <p>Radiant heated sub-floors</p>
<p>Site Requirements</p>	<p>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 to installation, during the installation and for the service life of the installation afterwards.</p> <p>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.</p>
<p>Substrate Requirements</p>	<p>All substrates must be prepared according to the following information or ASTM F710 or ASTM F1482 at a minimum, as well as applicable ACI and RFCI guidelines.</p> <p>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</p> <p>Substrates must be clean, smooth, permanently dry, flat, and structurally sound.</p> <p>Substrates must be free of visible water or moisture, dust, sealers, paint, sweeping compounds, curing compounds, residual adhesives and adhesive removers, 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.</p>
<p>Adhesive Clean-Up</p>	<p>Uncured Adhesive can be removed with solution of 70% isopropyl alcohol and a clean cloth</p> <p>Cured adhesive will be difficult to remove from wall and flooring surfaces, ensure removal prior to curing</p>
<p>Product & Substrate Restrictions</p>	<p>Not designed for use with products manufactured with polyolefin, polyethylene, or polypropylene</p> <p>Not designed for use on substrates that have been exposed to adhesive removers, solvents, or chemical cleaners</p>
<p>Disposal</p>	<p>Dispose in accordance with local, state and federal regulations.</p> <p>Do not allow product to get into drains, watercourses or landfill.</p> <p>Hardened product residues are considered construction waste.</p> <p>Empty packaging is recyclable</p>



U-705 Urethane Adhesive

TECHNICAL DATA

Warranty

1 Year Manufacturer's Warranty

Bond Warranty determined by Warranty of product being installed, see warranty document for details

Technical Support

solutions@rhctechnical.com

Product Support

solutions@rhctechnical.com

Technical Documentation

www.excelsiorproducts.net
