

APPROVED FLOORING TYPES

- TAJ Luxury Vinyl Planks & Tiles
- TAJ Modular Acoustic Flooring
 - TAJ Phthalate Free LVT
- TAJ Phthalate Free Sheet Vinyl

DESCRIPTION

Premium Vinyl Flooring Adhesive for use with TAJ flooring products

APPROVED SUBSTRATES & SURFACES

- Properly prepared concrete
- Portland based underlayments
- Properly prepared lightweight concrete (primed with universal primer)
- APA graded smooth sanded plywood
- Terrazzo (properly prepared with all waxes and surface finishes removed)
- Concrete radiant heated subfloors that do not exceed 85°F (30°C)

RH - 95% [ASTM F2170]

pH - 5-12

MVER - 10 lbs [ASTM F1869]

SUBSTRATE TESTING

Follow TAJ Flooring guidelines for allowable levels of moisture. Substrate must be prepared per ASTM F710 standards including, but not limited to the following:

- Concrete floors must be dry, clean, smooth and structurally sound. They shall be free of any foreign materials that might prevent adhesive bond, including dust, dirt, solvent, paint, wax, oil, grease, residual adhesive, adhesive removers, incompatible sealers, fire-retardant chemicals, fungicides, release agents, alkaline salts, excessive carbonation, laitance, mold, mildew, and curing, sealing, hardening or parting compounds.
- Fill all surface cracks, grooves, depressions, control joints and non-moving joints with moisture-resistant patching and self-leveling compounds, allow to fully cure and correct high spots before applying adhesive.
- The substrate, adhesive and flooring must be acclimated in an enclosed building with the HVAC operational between 60-95°F (15-35°C), and between 30-65% relative humidity, for at least 72 hours before, during and after the installation.
- When installing over radiant heated subfloors, turn the heat off for 24 hours before, during and after installation. Failure to turn the heat off may result in shortened working time of the adhesive. When turning radiant heat back on, raise it incrementally, not to exceed a change of more than 5 degrees per hour to a maximum of 85°.

SUBSTRATE & SURFACE PREPARATION

PRECAUTIONARY NOTES:

- Concrete must be placed in strict accordance with applicable standards and specifications. An intact moisture vapor retarder must be present below the concrete (see ASTM E1745), must be fully cured (at least 45 days) and without hydrostatic pressure.
- Although TAJ-1095 is a high-moisture tolerant adhesive, it does not form a moisture vapor barrier and will not protect flooring from moisture damage.
- Flooring must be acclimated per TAJ Flooring guidelines.

APPLICATION INSTRUCTIONS

Follow TAJ Flooring guidelines for layout, design and any special precautions for installation.




1. Spread adhesive using required tools (see tool chart below).
2. Install flooring per the instructions below dependent upon desired application method.
 - PSA (porous and non-porous substrates)
 - Wait 30-60 minutes after adhesive is spread to allow it to dry (adhesive will darken to visually cue installer).
 - Working time is approximately 12 hours under acceptable temperature and humidity conditions.
 - Semi-wet set (porous substrates only)
 - Wait 20-30 minutes after adhesive is spread to allow it to skin over.
 - Working time is approximately 20-30 minutes under acceptable temperature and humidity conditions.
 - For sheet vinyl, back-roll the adhesive with an adhesive saturated roller to smooth out the trowel ridges.
3. Roll and cross roll floor with a 75-100 lbs (34-45 kg) roller at the end of the installation to ensure proper transfer of adhesive.

PRECAUTIONARY NOTES:

- Do not wet mop the floor for 72 hours after the install is complete.
- Do not strip and finish the floor for 72 hours after the install is complete.
- Reseal lid when not in use to protect product.

REQUIRED TOOLS AND COVERAGE

*Trowel dimensions are width X depth X spacing. Coverage is approximate and may vary depending on porosity of substrate and the angle at which the trowel is held.

Flooring Type	Tool* (images not to scale)	Estimated Coverage
Porous Substrate: LVT/LVP, Acoustic LVT/LVP (permanent bond), Sheet goods (vinyl, homogeneous, heterogeneous)	1/16" x 1/16" x 1/16" (1.6mm x 1.6mm x 1.6mm) Sq Notch 	150-180 sf/gal
Non-porous Substrate: LVT/LVP, Acoustic LVT/LVP (permanent bond), Sheet goods (vinyl, homogeneous, heterogeneous)	1/16" x 1/32" x 1/32" (1.6mm x .8mm x .8mm) U Notch 	220-260 sf/gal
Acoustic LVT/LVP (releasable bond)	3/8" (10mm) Short nap paint roller 	Up to 350 sf/gal

It is the sole responsibility of the contractor/installer to determine the proper porosity of the subfloor, apply the proper amount of adhesive for the job conditions and ensure that all instructions, procedures and practices are strictly adhered to.

CLEANING INSTRUCTIONS

While product is still wet: use a damp cloth and water to remove.

While product is still soft: use adhesive remover/stripper, denatured alcohol or mineral spirits. Always check compatibility on a piece of scrap flooring.

See next page for Product Characteristics

PRODUCT CHARACTERISTICS

Product Identification	Transitional Pressure Sensitive Adhesive
Base Chemistry	Hybrid acrylic
Curing Method	Proprietary modified cross-linking
Appearance	Mint green (wet), Dark green/teal (dry)
Consistency	Smooth, medium viscosity liquid
Application	Easy troweling or roller applied
Flammability	Non-flammable
Freeze/Thaw	Stable to 10°F (-12°C)
Shelf Life	2 years
Moisture Control	N/A
RH	95%
pH	5-12
MVER	10 lbs
Open Time	20-30 min (semi-wet set)
Dry Time	30-60 (PSA)
Working Time	12 hrs (PSA), 20-30 min (semi-wet set)
Cure Time	12 hrs
Pot Life	N/A
Light Traffic	0 min (PSA) 12 hrs (semi-wet set)
Heavy Traffic	24 hrs
Heavy Rolling Loads	48 hrs
Solvents	None
Isocyanates	None
VOC (g/L) - SCAQMD Rule#1168	11
LEED Points	Contributes to low emitting materials
Certifications	Greenguard, FloorScore, CRI Green Label Plus
IIC (Delta)	N/A
STC (Delta)	N/A

MOISTURE

TIME

TRAFFIC

SUSTAINABILITY

ACOUSTICS

STORAGE

This product should be stored at temperatures between 50-90°F (15-32° C). While this product is freeze-thaw stable, it is necessary to protect it from freezing. Freeze/thaw stable to 10°F (-12°C).

CAUTION

DO NOT take internally. If swallowed, DO NOT induce vomiting. Call a physician immediately. KEEP OUT OF REACH OF CHILDREN.

WARRANTY INFORMATION

For warranty information, call Technical Services at (888) 652-2111 or visit us on the web at www.tajflooring.com. Flooring manufacturer's written pre-installation and installation instructions must be strictly followed or the warranty will be void.

1. IDENTIFICATION

Premium Vinyl Flooring Adhesive for use with TAJ flooring products

Recommended use of the chemical and restriction on use: interior installation of flooring material over approved subfloors – TAJ Luxury Vinyl Planks & Tiles, TAJ Modular Acoustic Flooring, TAJ Phthalate Free LVT, TAJ Phthalate Free Sheet Vinyl

Company: TAJ Flooring, 740 Church Road Elgin, IL 60123, USA

Emergency Telephone Number: (888) 652-2111

Other Means of Identification

Chemical Family: Amide-Ester-Acrylate blend

2. HAZARDS IDENTIFICATION

According to regulation 2012 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200

Classification of the Product

No need for classification according to GHS criteria for this product.

Label Elements

This product does not require a hazard warning label in accordance with GHS criteria.

Hazards Not Otherwise Classified

None known if used according to instructions.

Irritation may occur when in contact with eyes and skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

According to Regulation 1994 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200

This product does not contain any components classified as hazardous under the referenced regulation.

CAS #	Content	Chemical Name
Trade Secret	1 - 10	Hydrocarbon resin
Trade Secret	1 - 10	Tall Oil Rosin
Trade Secret	40 - 60	Acrylic latex
7732-18-5	20 - 30	Water

4. FIRST AID MEASURES

General Advice: Upon contact, remove material from skin, eyes and clothing. If irritation persists, seek medical attention.

If Inhaled: Remove individual to fresh air if needed.

If on Skin: Wash with mild soap and water.

If in Eyes: Open eyelids and flush with running water for at least 15 minutes.

If Swallowed: Do not induce vomiting. Seek medical help immediately.

Most Important Symptoms and Effects, Both Acute and Delayed: None expected due to non-classification of the product.

Indication of Any Immediate Medical Attention and Special Treatment Needed: Note to physician - Symptomatic Treatment

5. FIRE-FIGHTING MEASURES

Extinguishing Media

None needed in wet state. Product is water based. Dry material will burn. Use water spray, foam, dry powder when needed.

Special Hazards Arising from the Substance or Mixture

Material is a mixture of organic compounds. Compounds of carbon may arise during burning.

Advice for fire-fighters: Wear self-contained breathing apparatus and turn out gear.

Further Information

Dispose debris and contaminated clothing in accordance with regulations.

6. ACCIDENTAL RELEASE MEASURES

Further Accidental Release Measures: Slip hazard when spilled.

Personal Precautions Protective Equipment and Emergency Procedures: Use personal protective clothing. Avoid contact with skin and eyes.

Environmental Precautions: Do not release spilled material into natural waters.

Methods and Material for Containment and Cleaning Up:

Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations. Spills should be contained, solidified, and placed in suitable containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not puncture. Keep out of the reach of children.

Conditions for Safe Storage, Including any Incompatibilities

Keep from freezing. Avoid extreme temperatures.

8. EXPOSURE CONTROL/PERSONAL PROTECTION**Advice on System Design**

Maintain proper ventilation.

Personal Protective Equipment:

Respiratory Protection: NIOSH respirator if needed. Use local exhaust ventilation. Do not use closed air-circulating system.

Skin Protection: Chemical resistant gloves, apron, coveralls, and boots to prevent unnecessary contact.

Eye Protection: Safety glasses, goggles, or face shield

General Safety and Hygiene Safety Measures:

Wash hands and/or face after use. Launder contaminated clothing before re-use. Always use protective equipment to avoid direct contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Medium Viscosity Liquid

Odor: Mild

Odor Threshold: No data

Color: Light green

pH Value: 9.0 - 9.5

Melting Point: Not applicable

Boiling Point: Similar to water

Flash Point: Not applicable

Flammability: Non flammable

Lower Explosion Limit: Low

Upper Explosion Limit: Low

Vapor Pressure: Low

Density: 8.25 - 8.65 lbs. per gallon

Relative Density: 0.99 - 1.04 grams/cm³

Vapor Density: Low

Partition Coefficient n-octanol/water (log Pow): No data

Self-Ignition Temperature: Not Applicable

Solubility in Water: Limited

Miscibility in Water: Miscible

Evaporation Rate: Same as water

10. STABILITY AND REACTIVITY

Reactivity: Stable

Chemical Stability: Stable

Possibility of Hazardous Reactions: None, product is stable

Conditions to Avoid: Extreme temperatures

Incompatible Materials: None known

Hazardous Decomposition Products: None known

11. TOXICOLOGICAL INFORMATION

No Data Available

Primary routes of exposure: Respiratory, eyes, skin. Ingestion is not likely but might cause gastric disturbances.

Acute Toxicity/Effects

Acute Toxicity: May cause irritation upon contact.

Chronic Toxicity Effects

Repeated Dose Toxicity: No data available

Genetic Toxicity: No data available

Carcinogenicity: Not carcinogenic

Reproductive Toxicity: No data available

Teratogenicity: No data available

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Abide by all state, federal and local regulations

14. TRANSPORTATION INFORMATION

Proper Shipping Name: Not applicable

Proper Hazard Class: Not hazardous

Hazard Code: None hazardous

Bill of Lading Description: Adhesives, NOI

Land Transport USDOT: Not considered as a dangerous goods under transport regulations

Sea Transport IMDG: Not considered as a dangerous goods under transport regulations

Air Transport IATA: Not considered as a dangerous goods under transport regulations

15. REGULATORY INFORMATION**Federal Regulations:****Registration Status:**

TSCA: Chemicals contained in the product are either listed or exempt in the U.S. EPA TSCA inventory list.

SARA Title III, Section 312 Hazard Class: None

EPA SARA Title III Section 312: None

NFPA Hazard Codes:

Health: 1 Fire: 0

Reactivity: 0 Special:

HMIS rating:

Health: 1 Flammability: 0 Physical Hazard: 0

16. OTHER INFORMATION

SDS prepared by: TAJ Flooring

SDS prepared on: Oct. 2, 2019

TAJ Flooring believes the data set forth herein is accurate as of the date hereof. TAJ Flooring makes no warranty with respect hereto and expressly disclaims all liability of reliance thereon. All data is offered solely for consideration, investigation, and verification.