

SPECIFICATIONS LUXURY SHEET VINYL

Majesta and Cloud Vinyl Sheet Flooring *Cushion and Non-Cushion*

I. Work by Others

- A. **Concrete Substrate** - (Concrete substrate shall conform to requirements of ASTM F-710-05-Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring). Concrete subfloors shall be steel troweled finished smooth, flat and level. Concrete shall be wet cured for a minimum of 30 days to 3,500 psi. Flatness of concrete shall be $\pm 1/8"$ in a 10'-0" radius. Do not apply any type of coatings, surface sealers, hardeners, or curing membranes to the surface of the concrete. These materials will prevent proper bond of the floor-covering adhesive. Minor cracks, chips, and spalls shall be patched with cement based patching material, i.e. Ardex or Mapei. Level high spots by grinding or sanding. Any required leveling shall be done with cement-based underlayment, minimum 3,500 psi, i.e., Ardex or Mapei. Patching and underlayment material shall be applied in strict accordance with manufacturer's specifications and installation instructions. Concrete and underlayment must be dry; maximum 3.0 lbs. of moisture per 1,000 sq. ft. per 24 hours as tested by Calcium Chloride Test Kits per R.M.A. test procedure. Test pH of concrete. pH shall be <10 . If the concrete is contaminated with any type of paint, oil, grease, adhesives, and any other type of penetrating material it should be removed thoroughly by bead blasting. Sanding is not adequate and chemicals should not be used to accomplish removal. After concrete preparation has been completed, sweep and vacuum surface thoroughly to remove all miscellaneous dirt and contaminants.

NOTE: Contact the supplier – Architectural Floor Systems, Inc., 1-800-323-6792, regarding all other types of substrates for specific recommendations.

- B. **Damp proofing** – (Shall conform to A.C.I Addendum 302.2 R-06 – Vapor Retarder Location) Concrete subfloors that occur in contact with the earth (on or below grade), must be properly damp proofed, directly from beneath. Damp proofing membrane must be in direct contact with the bottom surface of the concrete slab. Suitable membranes for on-grade concrete shall be equal to A.I.A. Master Spec – minimum one layer of black polyethylene – 10 mil thickness or two layers of black polyethylene; each minimum 6 mil thickness. Membranes shall be lapped and sealed and turned up at perimeter of slab edges and installed in accordance with membrane manufacturer's installation instructions. Do not place any type of fill, sand, or gravel over damp proofing membranes. Concrete slabs below grade shall be damp proofed with heavy-duty 1/8" thick pre-molded membranes equal to W.R. Meadows damp proofing membranes. The project engineers shall also provide suitable and adequate drainage of building foundation walls and footings.

C. **Job Conditions**

The installation of Tajima shall proceed only after the work of other trades has been completed, especially overhead trades. Areas to receive flooring shall be clean, adequately lighted, fully enclosed, weather tight, and heated to a minimum of 65° to 70° F. for 72 hours before, during, and after installation is completed. Heat should be maintained in areas to receive flooring with the building's permanent heating system. Salamanders and other temporary heating devices should not be used. Installed sheet flooring shall not be exposed to heavy traffic or heavy rolling loads or any type of maintenance procedures until the adhesive has cured for a minimum of 72 hours. If emergency conditions require the movement of equipment or furniture, the flooring should be protected with heavy planks or a minimum of 1/2" thick plywood to prevent damage.

II. Materials Specifications, Installation, and Warranty

- A. Furnish and install where required per plans and specifications Tajima LVS Sheet Vinyl; color(s) #_____ as supplied by Architectural Floor Systems, Inc., 800/323-6792.

1. Construction

Tajima Luxury Vinyl Sheet shall be manufactured with a wood grain and/or carpet visual vinyl wear layer reinforced with fiberglass and a high strength vinyl-backing sheet. All materials shall be fused together under heat and pressure. Luxury Vinyl Sheet shall be sealed with Protech UV polyurethane finish. Protech is a UV-cured polyurethane anti-dirt treatment incorporated into the wear surface of the floor covering. It eliminates the need for floor finishes and improves hygiene and chemical resistance.

2. Dimensions

2.0mm x 182.88cm x 18M (0.080" x 6'-0" x 59' length approximate)

2.8mm x 182.88cm x 18M (0.110" x 6'-0" x 59' length approximate)

6.0mm x 182.88cm x 15M (0.236" x 6'-0" x 49'-3" length approximate)

3. Technical Data (Following data are all supported by independent testing companies.)

Copies of test data are available upon request.)

Fire Resistance – Class 1 per ASTM E-648; >0.45

Smoke Density (Flaming and Non-Flaming) <450 per ASTM E-662

Static Load Limit - 1100 psi/ASTM F-970 – 2.0mm

Static Load Limit - 625 psi/ASTM F-970 – 2.8mm

Static Load Limit - 250 psi/ASTM F970 – 6.0mm

Chemical and Stain Resistance – Excellent

Slip Resistance (Static Co-efficient of Friction per ASTM C-1028-89 - >0.60 per ADA)

B. Installation

Inspect subfloor surfaces carefully to determine acceptability. All Luxury Vinyl Sheet shall be installed under proper job conditions per manufacturer's current written installation instructions, using only approved adhesive. AFS 987 adhesive and Chapco #231 adhesive are recommended products for proper installation of Tajima Luxury Vinyl Sheet. All side and end seams shall be welded with liquid welding system. *Majesta Wood Patterns* may also be heat welded if preferred.

Hospital Beds Per manufacturer's instructions in the event that Tajima is to be used in patient rooms the area under the beds must be installed using one of the recommended 2-part polyurethane or epoxy adhesives. (Mapei G-19 or in California G-21 can be used.)

C. Warranty

Luxury Vinyl Sheet shall be covered by Tajima's 10-Year Written Limited Warranty. Complete copy of warranty is available upon request.

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