TECHNICAL SPECIFICATION

# 2-3-5 Luxury Vinyl Plank & Tile

**2-3-5 Luxury Vinyl Plank & Tile** products are phthalate-free and designed with a high molecular weight polymerized vinyl wear layer supported by a high-strength vinyl backing. Incorporated into the wear surface during the manufacturing process, 2MM, 3MM and 5MM tiles and planks are built with a Protech Plus® ceramic bead-infused UV-cured urethane finish which provides two times better scratch resistance than typical urethane coatings. This factory-applied coating eliminates the need for floor finishes and improves hygiene and chemical resistance.

The 5MM construction is a fiberglass reinforced modular acoustic flooring supported by a high-strength vinyl backing. This product is appropriate for use over raised access floor panels, excellent for limiting sound transmission, and can be installed next to carpet tile without the need for transition strips.

| | 2MM | 3MM | 5MM* |
|---|---|---|---|
| **Wear Layer Thickness** | 12 MIL (0.305MM)* | 20 MIL (0.5MM) | 20 MIL (0.5MM) |
| **Wear Layer Finish** | Protech Plus® | | |
| **Warranty** | 15 Year Light Commercial | 20 Year Commercial | 20 Year Commercial |
| ASTM TESTING & CERTIFICATIONS | | | |
| **ASTM F1700 Product Classification** | ASTM F1700 Class III Type B (embossed) | | |
| **ASTM E648 Fire Resistance** | Class 1 > 0.45 | | |
| **ASTM E662 Smoke Density** | < 450, Flaming/Non-Flaming | | |
| **ASTM F970 Static Load** | 1500 psi | 1500 psi | 1000 psi |
| **ASTM C1028-89 Slip Resistance** | > 0.6 per ADA | | |
| **Chemical & Stain Resistance** | Excellent | | |
| **VOC Emission** | Negligible | | |
| **FloorScore® Certified** | Yes | | |
| **LEED** | Low Emitting Adhesives IEQ4.1, Low Emitting Coatings IEQ4.2, Low Emitting Material | | |
| **Recycled Content** | 100% Virgin Material, No Recycled Content, Phthalate Free | | |

*Luxury vinyl products for wall applications only may have a wear layer thickness of 8MIL (0.20MM).

Scan or click here to access technical information including full warranty, installation and maintenance guides, certifications and more.

**2MM Flame Spread Rating:** ASTM E84 Class A

**5MM Modular Acoustic Flooring Acoustic Test Results:**

| | |
|---|---|
| **ASTM E492 Impact Sound Conduction** | IIC 57 |
| **ASTM E90 Airborne Sound Transmission** | STC 62 |

**Installation:** Inspect subfloor surfaces carefully to determine acceptability. All TAJ flooring products must be installed under proper site conditions. Prior to installation, reviewing our Installation Instructions guide is strongly advised.

**Approved Adhesives:**

**Floor Applications**

- **TAJ Eco Bond Spray Adhesive**: Maximum 8.0 lbs. MVER (Moisture Vapor Emission Rate) per 1,000 sf per 24 hours as tested by ASTM F1869 or maximum RH (Relative Humidity) of 95% as tested by ASTM F2170. Test pH of concrete – pH should be 11 or less as tested by ASTM F710.
- **TAJ-1095 Adhesive:** Maximum 10.0 lbs. MVER per 1,000 sf per 24 hours as tested by ASTM F1869 or maximum RH of 95% as tested by ASTM F2170. Test pH of concrete – pH should be from 5-12.

**Wall and Vertical Surface Applications**

- **TAJ Specialty Wall Adhesive for LVT**: High moisture resistance. No moisture testing required. Maximum 25.0 lbs. MVER (Moisture Vapor Emission Rate) per 1,000 sf per 24 hours as tested by ASTM F1869 or maximum RH (Relative Humidity) of 100% as tested by ASTM F2170. Test pH of concrete – pH should be 14 or less as tested by ASTM F710.

**Protection:** Although not required, the use of high-quality floor finishes will further protect the floor in heavy traffic areas. Chair and table legs should be capped with the proper floor protection glides.

**Hospital Beds:** If TAJ LVT is to be used in patient rooms the area under the beds must be installed using the recommended Eco Bond Spray Adhesive System. No substitutions. This adhesive will tolerate point loads within 4 hours of installation.

**Maintenance:** Use of quality floor finishes is not required. If a flooring finish is desired, the use of a floor finish will further protect the floor in heavy traffic areas. Chairs and table legs should be capped with metal swivel glides. See detailed Maintenance Instructions.

**Trade Agreements Act (TAA) Compliant**

**Plant Certifications:** ISO 14001, ISO 9001

**Packaging by Product Size**

| Thickness | Size | Pieces per Carton | SQ FT per Carton |
|---|---|---|---|
| 2MM | 7” x 48” | 22 planks | 51.24 sq ft |
| 2MM | 12” x 24” | 25 tiles | 50 sq ft |
| 2MM | 18” x 36” | - | - |
| 3MM | 7” x 48” | 15 planks | 35 sq ft |
| 3MM | 12” x 24” | 18 tiles | 36 sq ft |
| 3MM | 18” x 36” | 10 tiles | 45 sq ft |
| 5MM | 7” x 48” | 10 planks | 23.33 sq ft |
| 5MM | 12” x 24” | 10 tiles | 20 sq ft |
| 5MM | 18” x 36” | 6 tiles | 27 sq ft |

TECHNICAL SPECIFICATION

# 2-3-5 Luxury Vinyl Plank & Tile

TAJ FLOORING
GLOBAL MANUFACTURING, LOCAL SERVICING

## Product SKU & Sizing Guide

| SKU | Design, Color | Base Size | 2MM, 12MIL | 3MM, 20MIL | 5MM, 20MIL |
|---|---|---|---|---|---|
| TAJ-9109 | **Elm, Cloud** | 7" x 48" | TAJ-9109F2 | TAJ-9109F3 | TAJ-9109D5 |
| TAJ-9112 | **Elm, Wheat** | 7" x 48" | TAJ-9112F2 | TAJ-9112F3 | TAJ-9112D5 |
| TAJ-9102 | **Exowood, Sienna** | 7" x 48" | TAJ-9102F2 | TAJ-9102F3 | TAJ-9102D5 |
| TAJ-9103 | **Exowood, Gray** | 7" x 48" | TAJ-9103F2 | TAJ-9103F3 | TAJ-9103D5 |
| TAJ-9104 | **Exowood, Umber** | 7" x 48" | TAJ-9104F2 | TAJ-9104F3 | TAJ-9104D5 |
| TAJ-9106 | **Hewn, Khaki** | 7" x 48" | TAJ-9106F2 | TAJ-9106F3 | TAJ-9106D5 |
| TAJ-9107 | **Hewn, Silver** | 7" x 48" | TAJ-9107F2 | TAJ-9107F3 | TAJ-9107D5 |
| TAJ-9108 | **Hewn, Fog** | 7" x 48" | TAJ-9108F2 | TAJ-9108F3 | TAJ-9108D5 |
| TAJ-9113 | **Rift, Mushroom** | 7" x 48" | TAJ-9113F2 | TAJ-9113F3 | TAJ-9113D5 |
| TAJ-9114 | **Rift, Russet** | 7" x 48" | TAJ-9114F2 | TAJ-9114F3 | TAJ-9114D5 |
| TAJ-9116 | **Rift, Honey** | 7" x 48" | TAJ-9116F2 | TAJ-9116F3 | TAJ-9116D5 |
| TAJ-9118 | **Zebra, Carob** | 7" x 48" | TAJ-9118F2 | TAJ-9118F3 | TAJ-9118D5 |
| TAJ-9119 | **Zebra, Flint** | 7" x 48" | TAJ-9119F2 | TAJ-9119F3 | TAJ-9119D5 |
| TAJ-9120 | **Zebra, Graphite** | 7" x 48" | TAJ-9120F2 | TAJ-9120F3 | TAJ-9120D5 |
| TAJ-9130 | **Native, Sand** | 12" x 24" | TAJ-9130W2 | TAJ-9130W3 | TAJ-9130C5 |
| | | 18" x 36" | - | TAJ-9130G3 | TAJ-9130R5 |
| TAJ-9131 | **Native, Lapis** | 12" x 24" | TAJ-9131W2 | TAJ-9131W3 | TAJ-9131C5 |
| | | 18" x 36" | - | TAJ-9131G3 | TAJ-9131R5 |
| TAJ-9132 | **Native, Shadow** | 12" x 24" | TAJ-9132W2 | TAJ-9132W3 | TAJ-9132C5 |
| | | 18" x 36" | - | TAJ-9132G3 | TAJ-9132R5 |
| TAJ-9133 | **Native, Lead** | 12" x 24" | TAJ-9133W2 | TAJ-9133W3 | TAJ-9133C5 |
| | | 18" x 36" | - | TAJ-9133G3 | TAJ-9133R5 |
| TAJ-9134 | **Native, Ash** | 12" x 24" | TAJ-9134W2 | TAJ-9134W3 | TAJ-9134C5 |
| | | 18" x 36" | - | TAJ-9134G3 | TAJ-9134R5 |
| TAJ-9135 | **Native, Pebble** | 12" x 24" | TAJ-9135W2 | TAJ-9135W3 | TAJ-9135C5 |
| | | 18" x 36" | - | TAJ-9135G3 | TAJ-9135R5 |
| TAJ-9138 | **Soapstone, Dark** | 12" x 24" | TAJ-9138W2 | TAJ-9138W3 | TAJ-9138C5 |
| | | 18" x 36" | - | TAJ-9138G3 | TAJ-9138R5 |
| TAJ-9139 | **Soapstone, Light** | 12" x 24" | TAJ-9139W2 | TAJ-9139W3 | TAJ-9139C5 |
| | | 18" x 36" | - | TAJ-9139G3 | TAJ-9139R5 |
| TAJ-9140 | **Terrazzo, Dark** | 12" x 24" | TAJ-9140W2 | TAJ-9140W3 | TAJ-9140C5 |
| | | 18" x 36" | - | TAJ-9140G3 | TAJ-9140R5 |
| TAJ-9141 | **Terrazzo, Light** | 12" x 24" | TAJ-9141W2 | TAJ-9141W3 | TAJ-9141C5 |
| | | 18" x 36" | - | TAJ-9141G3 | TAJ-9141R5 |
| TAJ-9127 | **Terrazzo, Clay** | 12" x 24" | TAJ-9127W2 | TAJ-9127W3 | TAJ-9127C5 |
| | | 18" x 36" | - | TAJ-9127G3 | TAJ-9127R5 |

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Scan or click here to view this collection online and to order samples, or to contact our team for more information and assistance.