Palacio Waterproof Luxury Flooring

Montilla Catalonia Tortosa

Product Collection Data Sheet

Technical Specifications

Indoor Air Quality (IAQ) Criteria

- No orthophthalates are used in the making of this product.
- FloorScore ® Certified

Dimensions (nominal)

- 12 mil (0.3mm) High Performance Urethane Wear Layer – All Collections
- 3/16" (5mm) Overall Thickness including a 1mm Pad (Montilla Collection)
- 3/16" (5.5mm) Overall Thickness including a 1mm Pad (Catalonia and Tortosa Collections).
- 7" (180mm) Wide - Catalonia and Montilla Collections
- 9-1/4" (235mm) Wide – Tortosa Collection
- 48" (1220mm) and 60" (1522mm) Long

Construction

- 100% Waterproof
- Top Layer - High Performance High Wear Urethane Top Coat
- 2nd Layer – Wear Resistant PVC Wear Layer
- 3rd Layer – Print Film
- 4th Layer – Rigid Core Middle Layer
- 5th Layer – 1mm IXPE Pad – High Density Polyethylene Foam
- 2G Valinge Locking T&G

Finish Coatings

- Painted Bevel side and end edges
- Wood grain surface texture and Embossed In Register
- UV-cured urethane based finishes with High Performance Coating Anti-Scratch Top Coats.

Test Methods and Standards

- ASTM F1914-07(2011) – Residual indentation – **0.5%**
- ASTM F2199-09(2014) – Dimensional Stability – **MD = -0.12% / AMD = -0.05%**
- ASTM F925-13 – Resistance to Chemicals – All Reagents = **0 reaction**
- ASTM D4060-14 – Abrasion (CS-17, 1000g, 1000rev) – Mass loss = **42.9 mg**
- NALFA LF 01-2011 Sec 3.5 – Large Ball Impact Resistance – **no cracking**
- NALFA LF 01-2011 Sec 3.9 – Castor Chair Resistance – **no visible damage** (25,000 rev)
- ASTM F970-17 – Static Load Resistance – **0.02 mm** (1000 psi)
- ASTM G21-15 – Resistance to Fungi – **No growth observed**
- ASTM C518-17 – Thermal Conductivity and Resistance – **0.130 W/m.k / 0.033 (m2.K)/W**
- ASTM D1028-07 – Coefficient of Friction – **Dry = 0.81 / Wet = 0.80**
- ASTM E90 – Airborne Sound Transmission Loss – STC **= 60**
- ASTM E492 – Impact Sound Transmission – IIC **= 67**
- ASTM E648 – Critical Radiant Flux = **1.08 watts/cm^2 (Class 1)**
- Density = **2.01 g/cm3**