Cover: Southern Oak II - Antique 5611R
Above: Boardwalk - Birke 5668R
Maple Creek - Hornwood 5692R
(inset) Maple Grove II - Saddle 5622R
English Walnut - Kelen 5684R
Realities II Collection

Antique Oak II Natural 5604R Antique Oak II Tamarind 5605R

Antique Oak II Pecan 5602R Antique Oak II Date 5606R

Antique Oak II Nutmeg 5601R Antique Oak II Smoky 5607R

Southern Oak II Cotton 5615R Southern Oak II Winchester 5613R
Realities II Collection

Southern Oak II
Antique 5611R

Southern Oak II
Rich Oak 5614R

Southern Oak II
Honeytone 5612R

Southern Oak II
Traditional 5616R

Maple Grove II
Pine 5627R

Maple Grove II
Saddle 5622R

Maple Grove II
Honey 5624R

Maple Grove II
Cherry 5625R
Realities II Collection

Maple Grove II
Teak 5623R
Maple Grove II
Creek 5628R

Maple Creek
Norway 5691R
Maple Creek
Paperbark 5694R

Maple Creek
Hornwood 5692R
Maple Creek
Harewood 5695R

Maple Creek
Drummond 5693R
Maple Creek
Sycamore 5696R
Realities II Collection

Persian Walnut

Oudh 5675R

Persian Walnut

Cypress 5672R

Persian Walnut

Frankincense 5676R

Persian Walnut

Myrrh 5674R

Persian Walnut

Balsam 5671R

Persian Walnut

Jasmine 5673R

English Walnut

Alder 5681R

English Walnut

Filbert 5682R
Realities II Collection

English Walnut  
Hawthorn 5683R  
English Walnut  
Kelen 5684R

English Walnut  
Rowan 5685R  
English Walnut  
Boyd 5686R

Wild Cherry  
Shaker 5645R  
Wild Cherry  
Cedar 5646R

Wild Cherry  
Amber 5647R  
Wild Cherry  
Brighton 5648R
Realities II Collection

Wild Cherry

Laurel 5649R

Wild Cherry

Ceylon 5650R

Boardwalk

Coconut 5667R

Boardwalk

Sugarcane 5665R

Boardwalk

Honeytone 5664R

Boardwalk

Nettle 5669R

Boardwalk

Birke 5668R

Boardwalk

Sparrow 5662R
Heterogeneous Sheet with Quantum Guard Elite®

**Success Is in Our Science**
Introducing Quantum Guard Elite, the patent-pending technology that provides the complete performance solution for heterogeneous sheet flooring.

- Engineered for ease of cleaning and reduced maintenance costs
- Highest abrasion resistance in the industry
- Advanced stain resistance
- Excellent slip resistance

---

**Cleans Better Than Competitors**

<table>
<thead>
<tr>
<th>Quantum Guard Elite</th>
<th>Leading Competitor</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="soiled.png" alt="Soiled" /></td>
<td><img src="soiled.png" alt="Soiled" /></td>
</tr>
<tr>
<td>10 PASSES</td>
<td>10 PASSES</td>
</tr>
</tbody>
</table>

Advanced urethane chemistry and an optimized texture make resilient sheet with Quantum Guard Elite easy to clean. *(Results after 10 passes with a wet microfiber mop on soiled floor.)*

**Best-in Class Abrasion Resistance**

<table>
<thead>
<tr>
<th>Quantum Guard Elite</th>
<th>Leading Competitor</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="50Passes.png" alt="50 Passes" /></td>
<td><img src="50Passes.png" alt="50 Passes" /></td>
</tr>
</tbody>
</table>

Our proprietary blend of aluminum oxide particles is suspended evenly through the urethane top coat, giving the industry’s best abrasion resistance. *(Results after 50 passes with sanding block.)*

**Stain Resistance That Endures**

<table>
<thead>
<tr>
<th>Quantum Guard Elite</th>
<th>Leading Competitor</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="1000Passes.png" alt="1,000 Passes" /></td>
<td><img src="1000Passes.png" alt="1,000 Passes" /></td>
</tr>
</tbody>
</table>

With new protective compounds from the aerospace industry and dentistry, Quantum Guard Elite’s stain resistance performs over time at the same high level as the day it was installed. *(Results after 1,000 passes with a sanding block, staining with a blue Sharpie and cleaning with an alcohol wipe.)*

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**Warranted to Work**
Products with Quantum Guard Elite feature our Limited Quantum Guard Elite Wear Warranty and Limited Commercial Warranty.
Fresh aesthetics, engineered to perform.

Realities II brings natural beauty to high-performance heterogeneous sheet flooring. The collection features Quantum Guard® Elite technology and a new texture to provide exceptional ease of cleaning, reduced maintenance costs and long-term durability. The eight patterns include woods and a wood-hybrid, offered in a variety of plank widths and 48 colors in total. With a range of traditional, transitional and modern wood visuals, Realities II delivers unsurpassed performance and sophisticated style to all types of environments.
# Realities II™ Collection

<table>
<thead>
<tr>
<th>Style</th>
<th>Antique Oak II, Boardwalk, English Walnut, Maple Creek, Maple Grove II, Persian Walnut, Southern Oak II, Wild Cherry</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Construction</th>
<th>Heterogeneous Sheet (Non-ortho phthalate construction)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classification</td>
<td>ASTM F1303 Type I, Grade 1, Class B</td>
</tr>
<tr>
<td>Total Thickness</td>
<td>0.080&quot; (2.03 mm)</td>
</tr>
<tr>
<td>Wear Layer Thickness</td>
<td>0.020&quot; (0.51 mm)</td>
</tr>
<tr>
<td>Wear Layer</td>
<td>Quantum Guard Elite®</td>
</tr>
<tr>
<td>Width</td>
<td>6’ (1.83 m), 9’ (2.75 m), 12’ (3.66 m)</td>
</tr>
<tr>
<td>Colors</td>
<td>6 each style</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pattern Repeat</th>
<th>36” L x 72” W - Boardwalk, English Walnut, Maple Creek, Persian Walnut, Wild Cherry 48” L x 48” W - Maple Grove II, Southern Oak II 48” L x 72” W - Antique Oak II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging</td>
<td>6’ - 30-50 yd² (25.0-41.8 m²) 9’ - 30-75 yd² (25.0-62.7 m²) 12’ - 30-100 yd² (25.0-83.6 m²)</td>
</tr>
<tr>
<td>Weight</td>
<td>4.7 lbs/yd² (2.55 kg/m²)</td>
</tr>
</tbody>
</table>

<table>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Note: Must use V-95 or XpressStep adhesive under hospital beds and heavy rolling load areas. Use V-95 in Operating Rooms or where higher risk of topical moisture would be a concern.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QuickStix®</th>
<th>Available with QuickStix® pre-applied adhesive, reducing time and labor required to install the flooring. QuickStix® floors can be used immediately after installation, even in extreme moisture areas.</th>
</tr>
</thead>
</table>

| Seam Method | Mannington Commercial Weld Rods or MLG-33 Chemical Seam Sealer. Mannington Seam Coater Pen for high traffic areas. Note: Heat welding is the recommended procedure for healthcare and high traffic applications. |

| Testing | HUD/FHA Meets / Exceeds ADA (American Disability Act Guidelines) Passes Flexibility (ASTM F790) Passes - 1/4” Mandrel - No Crack/Break Static Load (ASTM F970) Passes - Residual Indent ≤ 0.005” Static Load (ASTM F970 mod.) Passes - 2,000 PSI; Residual Indent ≤ 0.005” Rolling Resistance/Caster Chair (ISO 4918) 25,000 Cycles, No Significant Change Short Term Residual Indentation (ASTM F1914/F1303) Passes - Must be ≤ 0.012” Flooring Radiant Panel (ASTM E648) Passes - Class 1; ≤ 0.45 watts/cm² Smoke Density (ASTM E662) Passes - ≤ 450 Slip Resistance (ASTM C1028, Dry) Passes - ≤ 0.5 Leather; 0.6 Rubber Acoustic IIC (ASTM E492) 50 - 6” Concrete with Drop Ceiling Acoustic STC (ASTM E90) 63 - 6” Concrete with Drop Ceiling Resistance to Light (ASTM F1515) Passes - ≤ 8 Delta E Color Change Chemical Resistance (ASTM F925) Passes - No More Than Slight Change Resistance to Heat (ASTM F1514) Passes - ≤ 8 Delta E Color Change Resistance to Mold/Mildew (ASTM G21/E2180) Passes - No More Than Slight Change |

| Environmental Data | Indoor Air Quality FloorScore Certified; CDPH v1-2010 Product Declarations EPD LEED Scoreboard May contribute to LEED credits: LEED 2009: MRc2 Regional Materials; IEQ4.1 Low Emitting Adhesives; IEQ4.3 Low Emitting Materials - Flooring LEED v4: Building Product Disclosure & Optimization - EPDs; IEQc2 - Low Emitting Materials mindful MATERIALS Manufacturing Visit mM Origin website, mindfulmaterials.origin.build, for current transparency information Salem, NJ (USA) - ISO 14001 EMS Registered |

| Warranty | Limited 10 Year Commercial Warranty Limited 10 Year Quantum Guard Elite® Wear Warranty |

**Note:** Visual/Color variations can occur from roll to roll. This variation does not affect product performance.