



Characteristics	Mirage Engineered																	
Description	<ul style="list-style-type: none"> <li>For Admiration, Natural, Exotic, Flair, Sweet Memories, Imagine, Escape and Dreamville Collections</li> <li>Engineered prefinished hardwood flooring with tongues and grooves</li> <li>Micro-V bevel (on 4 sides)</li> </ul>																	
Thickness	3/8" (Sawn hardwood layer 5/32", 5-ply plywood base 15/64")	1/2" (Sawn hardwood layer 5/32", 7-ply plywood base 11/32")																
Width	3-5/16"	5"	6-1/2"															
Length	Lengths from 14" to 46"																	
Installation	Nailed, stapled or glued (above, on or below grade)   Nailed, stapled, glued or floated** (above, on or below grade).																	
Subfloor	Wood, concrete or radiant heat system																	
Species	9 species: Maple, Red Oak, White Oak, Yellow Birch, Hickory, Walnut, Brazilian Cherry, African Mahogany, Sapele																	
Grade	<ul style="list-style-type: none"> <li><b>Select &amp; Better:</b> Selection of more uniform wood grain with slight variations in natural shading</li> <li><b>Exclusive:</b> Wood planks with some pronounced and nuanced coloration. The Exclusive grade offers a range of color variation.</li> <li><b>▲ Character floors:</b> These floors are appreciated for their pronounced color variation. They feature open and closed knots, mineral streaks, cracks, surface holes, and other character or milling marks. Some distinctive marks may become prominent over time due to changes in the environment.</li> </ul>																	
Color choice (refer to 2020 Mirage Collections)	62 colors: Aspen, Auburn, Black Jelly Bean, Brass, Bubble Bath, Canyon, Cape Cod, Capitola, Carmel, Carousel, Charcoal, Château, Coffee, Cold Springs, Destin, Driftwood, Florence, Gelato, Gingerbread, Golden, Greystone, Graphite, Grey Drizzle, Havana, Hermosa, Hilo, Hopscotch, Hudson, Hula Hoop, Isla, Key Largo, Laguna, Lunar Eclipse, Mystic Island, Morro Bay, Natural, Nevada, New Haven, Nightfall, Nordic, Nougat, Onyx, Papyrus, Peppermint, Platinum, Praline, Providence, Rich Oak, Rio, Rock Cliff, Roller Coaster, Sand Castle, Sandstone, Savanna, Sierra, Snowdrift, Stillwater, Treasure, Tree House, Umbria, Vienna, White Mist. Some products may not be available. Ask your Mirage representative or consult the product chart.																	
Finish	<ul style="list-style-type: none"> <li><b>DuraMatt®:</b> Finishing system made of aluminum oxide and nanosilica particle composites suspended in UV cured polyurethane.</li> <li><b>Nanolinx® HD:</b> Finishing system made of aluminum oxide and nanosilica particle composites suspended in UV cured polyurethane.                             <ul style="list-style-type: none"> <li>Semi-gloss (50% gloss) or Cashmere®* (18% gloss)</li> </ul> </li> <li><b>Nanolinx® Commercial:</b> Ultraresistant finishing system made of aluminum oxide and nanosilica particle composites suspended in UV cured polyurethane.</li> </ul> UV Protection: All products Static Friction Coefficient (ASTM-D-2047): Slippery resistance of 0.5 to 0.55																	
Applicable standards	<table border="0"> <tr> <td> <b>Surface Burning (ASTM-E-84):</b>                      • FSI (Flame Spread Index) 100 to 150                        Class C (depends on wood species)                      • SD (Smoke Development) 75 to 400 (depends on wood species)  <b>Surface Burning (ULC-S-102-2):</b>                      • FSV (Flame Spread Value) 100 to 150 (depends on wood species)                      • SD (Smoke Development) 200 to 300 (depends on wood species)                 </td> <td> <b>Surface Burning (ASTM-E-84):</b>                      • FSI (Flame Spread Index) 100 to 150                        Class C (depends on wood species)                      • SD (Smoke Development) &lt; 400 (depends on wood species)  <b>Surface Burning (ULC-S-102-2):</b>                      • FSV (Flame Spread Value) 80 (depends on wood species)                      • SD (Smoke Development) &lt; 350 (depends on wood species)                 </td> </tr> <tr> <td> <b>Critical radiant flux (ASTM-E-648-94a):</b>                      0.25 to 0.40 watt/cm<sup>2</sup> (depends on wood species)                      R value: R 0.3 to 0.4 (depends on wood species)                 </td> <td> <b>Critical radiant flux (ASTM-E-648-94a):</b>                      0.41 watt/cm<sup>2</sup> (depends on wood species)                      R value: R 0.44 to 0.48 (depends on wood species)                 </td> </tr> <tr> <td colspan="2"> <b>Formaldehyde and VOC emissions (CDPH 1.1, 2010) : Target product group (Engineered) conform</b> </td> </tr> </table>			<b>Surface Burning (ASTM-E-84):</b> • FSI (Flame Spread Index) 100 to 150 Class C (depends on wood species) • SD (Smoke Development) 75 to 400 (depends on wood species) <b>Surface Burning (ULC-S-102-2):</b> • FSV (Flame Spread Value) 100 to 150 (depends on wood species) • SD (Smoke Development) 200 to 300 (depends on wood species)	<b>Surface Burning (ASTM-E-84):</b> • FSI (Flame Spread Index) 100 to 150 Class C (depends on wood species) • SD (Smoke Development) < 400 (depends on wood species) <b>Surface Burning (ULC-S-102-2):</b> • FSV (Flame Spread Value) 80 (depends on wood species) • SD (Smoke Development) < 350 (depends on wood species)	<b>Critical radiant flux (ASTM-E-648-94a):</b> 0.25 to 0.40 watt/cm <sup>2</sup> (depends on wood species) R value: R 0.3 to 0.4 (depends on wood species)	<b>Critical radiant flux (ASTM-E-648-94a):</b> 0.41 watt/cm <sup>2</sup> (depends on wood species) R value: R 0.44 to 0.48 (depends on wood species)	<b>Formaldehyde and VOC emissions (CDPH 1.1, 2010) : Target product group (Engineered) conform</b>										
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Provenance	Made in St-Georges, Qc, Canada.																	
Use	Residential, light commercial or commercial (Nanolinx® Commercial)																	
Accessory	Round Stair nosing, Square Stair nosing, Round Reducer, Multifunction Reducer, Threshold, "T" molding, Quarter round																	
Warranty	<ul style="list-style-type: none"> <li>Structural lifetime limited warranty</li> <li>(For the glued down and nailed/stapled installation relative humidity must be maintained within a range of 25% and 70% and for the floated installation relative humidity must be maintained between 30% and 60%).</li> <li>35-year finish warranty for residential applications</li> <li>3-year finish warranty for light commercial applications</li> <li>5-year finish warranty for commercial applications with Nanolinx® Commercial</li> </ul>																	
Packaging	3-5/16"	5"	6-1/2"															
Content of a box	• 25 sq. ft.	• 34.10 sq. ft.	• 22.15 sq. ft.															
Size of a box	• 47" L x 10-1/4" W x 3-1/4" H	• 83" L x 10-1/2" W x 3-1/4" H	• 83" L x 7" W x 3-1/4" H															
Weight of a box	• 34 to 41 lbs	• 65 to 70 lbs	• 42 to 45 lbs															
Content of a pallet	• 40 boxes = 1,000 sq. ft.	• 32 boxes = 1,091.2 sq. ft.	• 48 boxes = 1,063.2 sq. ft.															
Size of a pallet	(4 boxes/W x 10 boxes/H) • 47" L x 42" W x 37" H	(4 boxes/W x 8 boxes/H) • 83" L x 42" W x 30" H	(6 boxes/W x 8 boxes/H) • 83" L x 42" W x 30" H															
Relative species hardness	<table border="0"> <tr> <td>NWFA Janka Test</td> <td>• Walnut 1,010 lbs - 22% softer</td> <td>• Sapele 1,400 lbs - 8% harder</td> </tr> <tr> <td>Hardness test (ASTM-D-143)</td> <td>• Yellow Birch 1,260 lbs - 2% softer</td> <td>• Maple 1,450 lbs - 12% harder</td> </tr> <tr> <td></td> <td>• Red Oak 1,290 lbs - average hardness</td> <td>• Hickory 1,820 lbs - 41% harder</td> </tr> <tr> <td>Red Oak 1,290 lbs* - 100%</td> <td>• African Mahogany 1,300 lbs - 1% harder</td> <td>• Brazilian Cherry 2,200 lbs - 71% harder</td> </tr> <tr> <td>*lbs = Applied force in pounds</td> <td>• White Oak 1,360 lbs - 5% harder</td> <td></td> </tr> </table>			NWFA Janka Test	• Walnut 1,010 lbs - 22% softer	• Sapele 1,400 lbs - 8% harder	Hardness test (ASTM-D-143)	• Yellow Birch 1,260 lbs - 2% softer	• Maple 1,450 lbs - 12% harder		• Red Oak 1,290 lbs - average hardness	• Hickory 1,820 lbs - 41% harder	Red Oak 1,290 lbs* - 100%	• African Mahogany 1,300 lbs - 1% harder	• Brazilian Cherry 2,200 lbs - 71% harder	*lbs = Applied force in pounds	• White Oak 1,360 lbs - 5% harder	
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\* Cashmere is a registered trademark used under license.

\*\* For floated installation, please review technical newsletter #25 available on Mirage website in the Guides and support section (except for 6-1/2" for Maple and Hickory species).