



Characteristics	Mirage Engineered		
	Natural Collection		
Description	Engineered prefinished hardwood flooring with tongues and grooves     Micro-V bevel (on 4 sides)		
Thickness	• 3/8" (10 mm) (Sawn hardwood layer 5/	/32" (4 mm), 5-ply plywood b	pase 7/32" (6 mm))
Width	2-9/16" (65 mm)		3-5/16" (84 mm)
Species	3 species: Maple, Yellow Birch, Red Oak	<	4 species: Maple, Yellow Birch, Red Oak, American Walnut
Grade	Select & Better (Selection of more unif     Exclusive (As found in nature. A comp		
Color choice (refer to 2016 Mirage Collections)	1 color: Natural Some products may not be available. As	sk your Mirage representative	e or consult the product chart.
Finish	Nanolinx™ Commercial: Ultraresistant polyurethane.     Semi-gloss (50% gloss) or Cashmere	t finishing system made of al	nosilica particle composites suspended in UV cured polyurethane. uminum oxide and nanosilica particle composites suspended in UV cured
	UV Protection: All products		Formaldehyde: Free
	Water and solvent: No trace		
	Static Friction Coefficient (ASTM-D-204	47): Slippery resistance of 0.	5 to 0.55
Applicable standards	Surface Burning (ASTM-E-84):		Surface Burning (ULC-S-102-2):
	FSI (Flame Spread Index) 100 to 150		• FSC (Flame Spread Classification) 100 to 150 (depends on wood species)
	Classe C (depends on wood species)		• SD (Smoke Development) 200 to 300 (depends on wood species)
	SD (Smoke Development) 75 to 400 (d)		
	Critical radiant flux (ASTM-E-648-94a):		R value: R 0.3 to 0.4 (depends on wood species)
	0.25 to 0.40 watt/cm <sup>2</sup> (depends on woo	<u>'</u>	
	Formaldehyde emission (ASTM-E-1333	3-02):	Total VOC (ASTM-D-6670-01):
	Less than 0.01 ppm		Less than 0.011 ppm (depends on wood species)
Installation	Stapled or glued down (above, on or below grade)		
Subfloor	Wood, concrete or radiant heat system		
Provenance	Made in St-Georges, Qc, Canada.		
Certification	FSC® available on Maple, Red Oak, Yello		
Use	Residential, light commercial or commer	cial (Nanolinx™ Commercial)	
Accessory	Round Stair nosing, Round reducer, Three	eshold, "T" molding, Quarter	round
Warranty	Structural lifetime limited warranty     35-year finish warranty for residential a	applications	3-year finish warranty for light commercial applications     5-year finish warranty for commercial applications with Nanolinx™ Commercial
Board length	2-9/16" (65 mm)		3-5/16" (84 mm)
6 assorted lengths	± 13-3/4 inches (350 mm)		± 13-3/4 inches (350 mm)
	± 17-7/8 inches (455 mm)		± 16-5/8 inches (420 mm)
	± 23-1/2 inches (595 mm)		± 22-7/8 inches (576 mm)
	± 29 inches (736 mm)		± 28-7/8 inches (732 mm)
	± 33-1/8 inches (841 mm)		± 31-7/8 inches (802 mm)
	± 46-7/8 inches (1,191 mm)		± 45-3/8 inches (1,152 mm)
Packaging	2-9/16" (65 mm)		3-5/16" (84 mm)
Content of a box	• 20 ft² (1.858 m²)		• 25 ft² (2.322 m²)
Size of a box	• 48" L x 8-1/4" W x 3-1/4" H		• 47" L x 10-1/4" W x 3-1/4" H
Weight of a box Content of a pallet	<ul> <li>27 to 34 lbs</li> <li>50 boxes = 1,000 ft<sup>2</sup> (5 boxes/W x 10</li> </ul>	hoves/H)	• 34 to 41 lbs • 40 boxes = 1,000 ft <sup>2</sup> (4 boxes/W x 10 boxes/H)
Size of a pallet	• 48" L x 42" W x 37" H	DONO3/11)	• 47" L x 42" W x 37" H
Relative species hardness	IS EX IE WAST IT		
NWFA Janka Test	American Walnut 1.010	lbs - 22% softer	
Hardness test (ASTM-D-143)	, , , , , , , , , , , , , , , , , , , ,	lbs - 2% softer	
311000 1001 (101101 15 140)	,	lbs - average hardness	
Red Oak 1290 lbs* - 100% *lbs = Applied force in pounds		lbs - 12% harder	

<sup>\*</sup> Cashmere is a registered trademark used under license.





Characteristics	Mirage Engineered		
	Natural Collection		
Description	Engineered prefinished hardwood flooring with tongues and grooves     Micro-V bevel (on 4 sides)		
Thickness	• 1/2" (13 mm) (Sawn hardwood layer 5/32" (4 mm), 7-ply plywoo	d base 11/32" (9 mm))	
Width	5" (127 mm)	6-1/2" (165 mm)	
Species	7 species: Maple, Red Oak, White Oak, R&Q, Old White Oak, R&Q, Hickory, Old Hickory, Knotty Walnut  6 species: Maple, Red Oak, White Oak, R&Q, Old White Oak, R&Q, Hickory, Old Hickory		
Grade	Exclusive (As found in nature. A complete species color and character range)  Knotty Walnut (These floors are appreciated for their pronounced color variations. They feature mineral streaks, sound and repaired knots, surface holes, pith, hairline surface cracks, and natural imperfections)  Old Hickory (These floors present pronounced color variations, repaired and sound knots, surface holes, hairline cracks, mineral streaks, and other character marks)  Old White Oak, R&Q (These floors present pronounced color variations, 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).		
Color choice (refer to 2016 Mirage Collections)	1 color: Natural Some products may not be available. Ask your Mirage representat	ive or consult the product chart.	
Finish	Nanolinx™ Commercial: Ultraresistant finishing system made of polyurethane.     Semi-gloss (50% gloss) or Cashmere®* (18% gloss)	nanosilica particle composites suspended in UV cured polyurethane. aluminum oxide and nanosilica particle composites suspended in UV cured	
	UV Protection: All products	Formaldehyde: Free	
	Water and solvent: No trace		
	Static Friction Coefficient (ASTM-D-2047): Slippery resistance of	0.5 to 0.55	
Applicable standards	Surface Burning (ASTM-E-84):  • FSI (Flame Spread Index) 100 to 150 Classe C (depends on wood species)  • SD (Smoke Development) less than 400 (depends on wood species)  Critical radiant flux (ASTM-E-648-94a):	Surface Burning (ULC-S-102-2):  • FSC (Flame Spread Classification) 80 (depends on wood species)  • SD (Smoke Development) max 350 (depends on wood species)  R value: R 0.44 to 0.51 (depends on wood species)	
	0.41 watt/cm² (depends on wood species)		
	Formaldehyde emission (ASTM-E-1333-02): Less than 0.01 ppm	Total VOC (ASTM-D-6670-01): 0.011 ppm (depends on wood species)	
Installation	Stapled or glued down (above, on or below grade)		
Subfloor	Wood, concrete or radiant heat system (with the exception of Hick	ory)	
Provenance	Made in St-Georges, Qc, Canada.		
Certification	FSC® available on Maple, Red Oak, Hickory, White Oak, R&Q and	American Walnut	
Use	Residential, light commercial or commercial (Nanolinx™ Commerc		
		,	
Accessory Warranty	Round Stair nosing, Square Stair nosing, Round Reducer, Thresho  • Structural lifetime limited warranty  • 35-year finish warranty for residential applications	3-year finish warranty for light commercial applications     5-year finish warranty for commercial applications     with Nanolinx <sup>TM</sup> Commercial	
Board length	5" (127 mm)	6-1/2" (165 mm)	
6 assorted lengths	± 19 inches (482 mm) ± 25-1/2 inches (648 mm) ± 30 inches (762 mm) ± 34-1/2 inches (876 mm) ± 41 inches (1,042 mm) ± 60 inches (1,524 mm)	± 19-11/16 inches (500 mm) ± 25-1/2 inches (648 mm) ± 34-5/8 inches (879 mm) ± 43-11/16 inches (1,110 mm) ± 49-1/2 inches (1,258 mm) ± 69-1/4 inches (1,758 mm)	
Packaging	5" (127 mm)	6-1/2" (165 mm)	
Content of a box Size of a box Weight of a box Content of a pallet Size of a pallet	25 ft² (2.322 m²)     61" L x 10-1/4" W x 3-1/4" H     46 to 51 lbs     40 boxes = 1,000 ft² (4 boxes/W x 10 boxes/H)     61" L x 42" W x 37" H	<ul> <li>25 ft² (2.322 m²)</li> <li>70" L x 7" W x 4-1/4" H</li> <li>46 to 51 lbs</li> <li>42 boxes = 1,050 ft² (6 boxes/W x 7 boxes/H)</li> <li>70" L x 42" W x 33" H</li> </ul>	
Relative species hardness			
NWFA Janka Test Hardness test (ASTM-D-143) Red Oak 1290 lbs* - 100% *lbs = Applied force in pounds	American Walnut     Red Oak     White Oak, R&Q     Maple     Hickory     American Walnut     1,290 lbs - average hardness     1,360 lbs - 5% harder     1,450 lbs - 12% harder     1,820 lbs - 41% harder		

 $<sup>^{\</sup>star}$  Cashmere is a registered trademark used under license.





Characteristics	Mirage Engineered		
	Exotic Collection		
Description	Engineered prefinished hardwood flooring with tongues and groov     Micro-V bevel (on 4 sides)	es	
Thickness	• 3/8" (10 mm) (Sawn hardwood layer 5/32" (4 mm), 5-ply plywood	base 7/32" (6 mm))	
Width	2-9/16" (65 mm)	3-5/16" (84 mm)	
Species	1 species: Cabreuva	3 species: Brazilian Cherry (Jatoba), African Mahogany, Sapele	
Grade	• Exclusive (As found in nature. A complete species color and chara	acter range)	
Color choice (refer to 2016 Mirage Collections)	4 colors: Natural, Brass, Henna, Onyx Some products may not be available. Ask your Mirage representative	e or consult the product chart.	
Finish	polyurethane. • Semi-gloss (50% gloss) or Cashmere®* (18% gloss)	luminum oxide and nanosilica particle composites suspended in UV cured	
	UV Protection: All products	Formaldehyde: Free	
	Water and solvent: No trace		
	Static Friction Coefficient (ASTM-D-2047): Slippery resistance of 0		
Applicable standards	Surface Burning (ASTM-E-84):  • FSI (Flame Spread Index) 100 to 150 Classe C (depends on wood species)  • SD (Smoke Development) 75 to 400 (depends on wood species)	Surface Burning (ULC-S-102-2): • FSC (Flame Spread Classification) 100 to 150 (depends on wood species) • SD (Smoke Development) 200 to 300 (depends on wood species)	
	Critical radiant flux (ASTM-E-648-94a): 0.25 to 0.40 watt/cm² (depends on wood species)	R value: R 0.3 to 0.4 (depends on wood species)	
	Formaldehyde emission (ASTM-E-1333-02): Less than 0.01 ppm	Total VOC (ASTM-D-6670-01): Less than 0.011 ppm (depends on wood species)	
Installation	Stapled or glued down (above, on or below grade)		
Subfloor	Wood, concrete or radiant heat system (with the exception of Brazilian Cherry (Jatoba))		
Provenance	Made in St-Georges, Qc, Canada.		
Use	Residential, light commercial or commercial (Nanolinx™ Commercial		
Accessory	Round Stair nosing, Round reducer, Threshold, "T" molding, Quarter	round	
Warranty	Structural lifetime limited warranty     35-year finish warranty for residential applications	3-year finish warranty for light commercial applications     5-year finish warranty for commercial applications     with Nanolinx™ Commercial	
Board length	2-9/16" (65 mm)	3-5/16" (84 mm)	
6 assorted lengths	± 13-3/4 inches (350 mm) ± 17-7/8 inches (455 mm) ± 23-1/2 inches (595 mm) ± 29 inches (736 mm) ± 33-1/8 inches (841 mm) ± 46-7/8 inches (1,191 mm)	± 13-3/4 inches (350 mm) ± 16-5/8 inches (420 mm) ± 22-7/8 inches (576 mm) ± 28-7/8 inches (732 mm) ± 31-7/8 inches (802 mm) ± 45-3/8 inches (1,152 mm)	
Packaging	2-9/16" (65 mm) 3-5/16" (84 mm)		
Content of a box Size of a box Weight of a box Content of a pallet Size of a pallet	20 ft² (1.858 m²)     48" L x 8-1/4" W x 3-1/4" H     27 to 34 lbs     50 boxes = 1,000 ft² (5 boxes/W x 10 boxes/H)     48" L x 42" W x 37" H	25 ft² (2.322 m²)     47" L x 10-1/4" W x 3-1/4" H     34 to 41 lbs     40 boxes = 1,000 ft² (4 boxes/W x 10 boxes/H)     47" L x 42" W x 37" H	
Relative species hardness			
NWFA Janka Test Hardness test (ASTM-D-143) Red Oak 1290 lbs* - 100% *lbs = Applied force in pounds	Sapele		

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Characteristics	Mirage Engineered		
	Exotic Collection		
Description	Engineered prefinished hardwood flooring with tongues and grooves     Micro-V bevel (on 4 sides)		
Thickness	• 1/2" (13 mm) (Sawn hardwood layer 5/32" (4 mm), 7-ply ply	wood base 11/32" (9 mm))	
Width	5" (127 mm)		
Species	3 species: African Mahogany, Brazilian Cherry (Jatoba), Sapele		
Grade	Exclusive (As found in nature. A complete species color and	character range)	
Color choice (refer to 2016 Mirage Collections)	4 colors: Natural, Brass, Henna, Onyx Some products may not be available. Ask your Mirage represe	ntative or consult the product chart.	
Finish		nd nanosilica particle composites suspended in UV cured polyurethane. le of aluminum oxide and nanosilica particle composites suspended in UV cured	
	UV Protection: All products	Formaldehyde: Free	
	Water and solvent: No trace		
	Static Friction Coefficient (ASTM-D-2047): Slippery resistance		
Applicable standards	Surface Burning (ASTM-E-84):  FSI (Flame Spread Index) 100 to 150 Classe C (depends on wood species)  SD (Smoke Development) less than 400 (depends on wood species)	Surface Burning (ULC-S-102-2):  • FSC (Flame Spread Classification) 80 (depends on wood species)  • SD (Smoke Development) max 350 (depends on wood species)	
	Critical radiant flux (ASTM-E-648-94a): 0.41 watt/cm² (depends on wood species)	R value: R 0.44 to 0.51 (depends on wood species)	
	Formaldehyde emission (ASTM-E-1333-02): Less than 0.01 ppm	Total VOC (ASTM-D-6670-01): 0.011 ppm (depends on wood species)	
Installation	Stapled or glued down (above, on or below grade)		
Subfloor	Wood, concrete or radiant heat system (with the exception of I	Brazilian Cherry (Jatoba))	
Provenance	Made in St-Georges, Qc, Canada.		
Use	Residential, light commercial or commercial (Nanolinx™ Comm	nercial)	
Accessory	Round Stair nosing, Round Reducer, Threshold, "T" molding, (		
Warranty	Structural lifetime limited warranty     35-year finish warranty for residential applications	<ul> <li>3-year finish warranty for light commercial applications</li> <li>5-year finish warranty for commercial applications with Nanolinx™ Commercial</li> </ul>	
Board length	5" (127 mm)		
6 assorted lengths	± 19 inches (482 mm) ± 25-1/2 inches (648 mm) ± 30 inches (762 mm) ± 34-1/2 inches (876 mm) ± 41 inches (1,042 mm) ± 60 inches (1,522 mm)		
Packaging	5" (127 mm)		
Content of a box Size of a box Weight of a box Content of a pallet Size of a pallet	25 ft² (2.322 m²)     61" L x 10-1/4" W x 3-1/4" H     46 to 51 lbs     40 boxes = 1,000 ft² (4 boxes/W x 10 boxes/H)     61" L x 42" W x 37" H		
Relative species hardness			
NWFA Janka Test Hardness test (ASTM-D-143) Red Oak 1290 lbs* - 100% *lbs = Applied force in pounds	• Sapele 1,500 lbs - 16% harder • African Mahogany 1,500 lbs - 16% harder • Brazilian Cherry (Jatoba) 2,350 lbs - 82% harder		

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Characteristics	Mirage Engineered			
	Admiration Collection			
Description	Engineered prefinished hardwood flooring with tongues and grooves     Micro-V bevel (on 4 sides)			
Thickness	• 3/8" (10 mm) (Sawn hardwood lay	yer 5/32" (4 mm), 5-ply plywood ba	se 7/32" (6 mm))	
Width	2-9/16" (65 mm)		3-5/16" (84 mm)	
Species	3 species: Maple, Yellow Birch, Rec	d Oak	3 species: Maple, Yellow Birch, Red Oak	
Grade	• Exclusive (As found in nature. A c	complete species color and charact	er range)	
Color choice (refer to 2016 Mirage Collections)	Sonora, Sierra, Golden, Nevada, A	uburn, Canyon, Coffee	nbuca, Java, Vienna, Umbria, Havana, Rich Oak, Colorado, Savanna, le. Ask your Mirage representative or consult the product chart.	
Finish		istant finishing system made of alur	silica particle composites suspended in UV cured polyurethane. minum oxide and nanosilica particle composites suspended in UV cured	
	UV Protection: All products		Formaldehyde: Free	
	Water and solvent: No trace			
	Static Friction Coefficient (ASTM-D	0-2047): Slippery resistance of 0.5	to 0.55	
Applicable standards	Surface Burning (ASTM-E-84): • FSI (Flame Spread Index) 100 to 1 Classe C (depends on wood spec • SD (Smoke Development) 75 to 4 Critical radiant flux (ASTM-E-648-5	cies) 00 (depends on wood species)	Surface Burning (ULC-S-102-2):  • FSC (Flame Spread Classification) 100 to 150 (depends on wood species)  • SD (Smoke Development) 200 to 300 (depends on wood species)  R value: R 0.3 to 0.4 (depends on wood species)	
	0.25 to 0.40 watt/cm² (depends on Formaldehyde emission (ASTM-E-Less than 0.01 ppm	wood species)	Total VOC (ASTM-D-6670-01): Less than 0.011 ppm (depends on wood species)	
Installation	Stapled or glued down (above, on c	or bolow grado)	Less than 0.011 ppm (depends on wood species)	
Subfloor	Wood, concrete or radiant heat system			
Provenance	Made in St-Georges, Qc, Canada.	<u> </u>		
Certification	FSC® available on Maple, Red Oak	and Vallow Pirah		
Use	Residential, light commercial or com			
Accessory	Round Stair nosing, Round reducer,		aund	
Warranty	Structural lifetime limited warranty		3-year finish warranty for light commercial applications	
waitanty	35-year finish warranty for resident		5-year finish warranty for commercial applications     with Nanolinx™ Commercial	
Board length	2-9/16" (65 mm)		3-5/16" (84 mm)	
6 assorted lengths	± 13-3/4 inches (350 mm) ± 17-7/8 inches (455 mm) ± 23-1/2 inches (595 mm) ± 29 inches (736 mm) ± 33-1/8 inches (841 mm) ± 46-7/8 inches (1,191 mm)		± 13-3/4 inches (350 mm) ± 16-5/8 inches (420 mm) ± 22-7/8 inches (576 mm) ± 28-7/8 inches (732 mm) ± 31-7/8 inches (802 mm) ± 45-3/8 inches (1,152 mm)	
Packaging	2-9/16" (65 mm)		3-5/16" (84 mm)	
Content of a box	• 20 ft² (1.858 m²)		• 25 ft² (2.322 m²)	
Size of a box	• 48" L x 8-1/4" W x 3-1/4" H • 27 to 34 lbs		• 47" L x 10-1/4" W x 3-1/4" H • 34 to 41 lbs	
Weight of a box Content of a pallet	• 50 boxes = 1,000 ft <sup>2</sup> (5 boxes/W	v 10 hoves/H)	• 40 boxes = 1,000 ft <sup>2</sup> (4 boxes/W x 10 boxes/H)	
Size of a pallet	• 48" L x 42" W x 37" H	X 10 D0X03/11)	• 47" L x 42" W x 37" H	
Relative species hardness				
NWFA Janka Test	Yellow Birch     1.	,260 lbs - 2% softer		
Hardness test (ASTM-D-143)	Red Oak   1	,290 lbs - average hardness ,450 lbs - 12% harder		
Red Oak 1290 lbs* - 100% *lbs = Applied force in pounds				

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Characteristics	Mirage Engineered		
	Admiration Collection		
Description	<ul> <li>Engineered prefinished hardwood floor</li> <li>Micro-V bevel (on 4 sides)</li> </ul>	ring with tongues and groov	res
Thickness	• 1/2" (13 mm) (Sawn hardwood layer 5/	'32" (4 mm), 7-ply plywood	base 11/32" (9 mm))
Width	5" (127 mm)		6-1/2" (165 mm)
Species	5 species: Maple, Red Oak, Knotty Waln	nut, Hickory, Old Hickory	4 species: Maple, Red Oak, Hickory, Old Hickory
Grade	surface holes, pith, hairline surface crac	ciated for their pronounced cks, and natural imperfectio	color variations. They feature mineral streaks, sound and repaired knots,
Color choice (refer to 2016 Mirage Collections)	21 colors: Nordic, Rio, Platinum, Greyst Savanna, Sonora, Sierra, Golden, Nevac Some products may not be available. As	da, Auburn, Canyon	ambuca, Java, Coffee, Vienna, Umbria, Havana, Rich Oak, Colorado, e or consult the product chart.
Finish	Nanolinx™ Commercial: Ultraresistant polyurethane.     Semi-gloss (50% gloss) or Cashmere	finishing system made of a	nosilica particle composites suspended in UV cured polyurethane. Iluminum oxide and nanosilica particle composites suspended in UV cured
	UV Protection: All products		Formaldehyde: Free
	Water and solvent: No trace	4 <del>7</del> ) 0"	5.1.055
	Static Friction Coefficient (ASTM-D-204	17): Slippery resistance of 0	
Applicable standards	iurface Burning (ASTM-E-84):  FSI (Flame Spread Index) 100 to 150  Classe C (depends on wood species)  SD (Smoke Development) less than 400 (depends on wood species)  SD (Smoke Development) max 350 (depends on wood species)		
	Critical radiant flux (ASTM-E-648-94a): 0.41 watt/cm² (depends on wood specie	es)	R value: R 0.44 to 0.51 (depends on wood species)
	Formaldehyde emission (ASTM-E-1333 Less than 0.01 ppm		Total VOC (ASTM-D-6670-01): 0.011 ppm (depends on wood species)
Installation	Stapled or glued down (above, on or below grade)		
Subfloor	Wood, concrete or radiant heat system (	with the exception of Hickor	(y)
Provenance	Made in St-Georges, Qc, Canada.		
Certification	FSC® available on Maple, Red Oak, Hick	·	n.
Use	Residential, light commercial or commercial	•	
Accessory	Round Stair nosing, Square Stair nosing,	Round Reducer, Threshold	
Warranty	Structural lifetime limited warranty     35-year finish warranty for residential a	pplications	<ul> <li>3-year finish warranty for light commercial applications</li> <li>5-year finish warranty for commercial applications with Nanolinx™ Commercial</li> </ul>
Board length	5" (127 mm)		6-1/2" (165 mm)
6 assorted lengths	± 19 inches (482 mm) ± 25-1/2 inches (648 mm) ± 30 inches (762 mm) ± 34-1/2 inches (876 mm) ± 41 inches (1,042 mm) ± 60 inches (1,524 mm)	± 19-11/16 inches (500 mm) ± 25-1/2 inches (648 mm) ± 34-5/8 inches (879 mm) ± 43-11/16 inches (1,110 mm) ± 49-1/2 inches (1,258 mm) ± 69-1/4 inches (1,758 mm)	
Packaging	5" (127 mm)		6-1/2" (165 mm)
Content of a box Size of a box Weight of a box Content of a pallet Size of a pallet	25 ft² (2.322 m²)     61" L x 10-1/4" W x 3-1/4" H     46 to 51 lbs     40 boxes = 1,000 ft² (4 boxes/W x 10     61" L x 42" W x 37" H	boxes/H)	<ul> <li>25 ft² (2.322 m²)</li> <li>70" L x 7" W x 4-1/4" H</li> <li>46 to 51 lbs</li> <li>42 boxes = 1,050 ft² (6 boxes/W x 7 boxes/H)</li> <li>70" L x 42" W x 33" H</li> </ul>
Relative species hardness			
NWFA Janka Test Hardness test (ASTM-D-143) Red Oak 1290 lbs* - 100% *lbs = Applied force in pounds	• Red Oak 1,2 • Maple 1,4	10 lbs - 22% softer 90 lbs - average hardness 50 lbs - 12% harder 20 lbs - 41% harder	

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Characteristics	Mirage Engineered		
	Alive Collection		
Description	Engineered prefinished hardwood flooring with tongues and gr     Micro-V bevel (on 4 sides)     Brushed	ooves	
Thickness	• 1/2" (13 mm) (Sawn hardwood layer 5/32" (4 mm), 7-ply plywo	od base 11/32" (9 mm))	
Width	5" (127 mm)	6-1/2" (165 mm)	
Species	2 species: Red Oak, White Oak, R&Q	2 species: Red Oak, White Oak, R&Q	
Grade	• Exclusive (As found in nature. A complete species color and c	naracter range)	
Color choice (refer to 2016 Mirage Collections)	3 colors: Isla, Urbana, Sepia		
Finish	Nanolinx HD™: Finishing system made of aluminum oxide and     Cashmere®* (18% gloss)	nanosilica particle composites suspended in UV cured polyurethane.	
	UV Protection: All products	Formaldehyde: Free	
	Water and solvent: No trace		
	Static Friction Coefficient (ASTM-D-2047): Slippery resistance of 0	.5 to 0.55	
Applicable standards	Surface Burning (ASTM-E-84):  • FSI (Flame Spread Index) 100 to 150 Classe C (depends on wood species)  • SD (Smoke Development) less than 400 (depends on wood species)	Surface Burning (ULC-S-102-2):  • FSC (Flame Spread Classification) 80 (depends on wood species)  • SD (Smoke Development) max 350 (depends on wood species)	
	Critical radiant flux (ASTM-E-648-94a): 0.41 watt/cm² (depends on wood species)	R value: R 0.44 to 0.51 (depends on wood species)	
	Formaldehyde emission (ASTM-E-1333-02): Less than 0.01 ppm	Total VOC (ASTM-D-6670-01): 0.011 ppm (depends on wood species)	
Installation	Stapled or glued down (above, on or below grade)		
Subfloor	Wood, concrete or radiant heat system		
Provenance	Made in St-Georges, Qc, Canada.		
Certification	FSC® available on Red Oak and White Oak, R&Q.		
Jse	Residential or light commercial		
Accessory	Round Stair nosing, Square Stair nosing, Round Reducer, Threst	nold. "T" molding. Quarter round	
Warranty	Structural lifetime limited warranty	3-year finish warranty for light commercial applications	
Doord Jonath	35-year finish warranty for residential applications     (107 mm)	6 1/0" (165 mm)	
Board length	5" (127 mm)	6-1/2" (165 mm)	
6 assorted lengths	± 19 inches (482 mm) ± 25-1/2 inches (648 mm) ± 30 inches (762 mm) ± 34-1/2 inches (876 mm) ± 41 inches (1,042 mm) ± 60 inches (1,524 mm)	± 19-11/16 inches (500 mm) ± 25-1/2 inches (648 mm) ± 34-5/8 inches (879 mm) ± 43-11/16 inches (1,110 mm) ± 49-1/2 inches (1,258 mm) ± 69-1/4 inches (1,758 mm)	
Packaging	5" (127 mm)	6-1/2" (165 mm)	
Content of a box	• 25 ft² (2.322 m²)	• 25 ft² (2.322 m²)	
Size of a box	• 61" L x 10-1/4" W x 3-1/4" H	• 70" L x 7" W x 4-1/4" H	
Weight of a box	• 46 to 51 lbs	• 46 to 51 lbs	
Content of a pallet	• 40 boxes = 1,000 ft <sup>2</sup> (4 boxes/W x 10 boxes/H)	• 42 boxes = 1,050 ft <sup>2</sup> (6 boxes/W x 7 boxes/H)	
Size of a pallet	• 61" L x 42" W x 37" H	• 70" L x 42" W x 33" H	
Relative species hardness			
NWFA Janka Test Hardness test (ASTM-D-143)	Red Oak     1,290 lbs - average hardess     White Oak, R&Q     1,360 lbs - 5% harder		
Red Oak 1290 lbs* - 100% *lbs = Applied force in pounds			

<sup>\*</sup> Cashmere is a registered trademark used under license.





Characteristics	Mirage Engineered			
	Sweet Memories Collection - Aged Maple			
Description	Engineered prefinished hardwood flooring with tongues and grooves     Micro-V bevel (on 4 sides)     An exclusive variable staining process			
Thickness	• 1/2" (13 mm) (Sawn hardwood layer 5/32" (4 mm	n), 7-ply plywood base 11/32" (9 mm))	• 3/4" (19 mm) (Sawn hardwood layer 5/32" (4 mm), 11-ply plywood base 11/32" (11 mm))	
Width	5" (127 mm)	6-1/2" (165 mm)	7-3/4" (197 mm)	
Species	1 species: Aged Maple	1 species: Aged Maple		
Grade	Sweet Memories - Aged Maple (These floors pre mineral streaks, and other character marks)	esent pronounced color variations, repaired and	sound knots, surface holes, hairline cracks,	
Color choice (refer to 2016 Mirage Collections)	4 colors: Nougat, Praline, Gingerbread, Black Jelly	Bean		
Finish	Nanolinx HD™: Finishing system made of aluming     Cashmere®* (18% gloss)	num oxide and nanosilica particle composites sus	spended in UV cured polyurethane.	
	UV Protection: All products	Formaldehyde: Free		
	Water and solvent: No trace			
	Static Friction Coefficient (ASTM-D-4518-91): Slippe	ery resistance of 0.5 to 0.55		
Applicable standards				
	Critical radiant flux (ASTM-E-648-94a): 0.41 watt/cm² (depends on wood species)	R value: R 0.44 to 0.51 (depends on wood species)		
	Formaldehyde emission (ASTM-E-1333-02): Less than 0.01 ppm	Total VOC (ASTM-D-6670-01): 0.011 ppm (depends on wood species)		
Installation	Stapled or glued down (above, on or below grade)			
Subfloor	Wood, concrete or radiant heat system			
Provenance	Made in St-Georges, Qc, Canada.			
Certification	FSC® available on Maple.			
Use	Residential or light commercial			
Accessory	Round Stair nosing, Square Stair nosing, Round Re	educer, Threshold, "T" molding, Quarter round		
Warranty	Structural lifetime limited warranty     35-year finish warranty for residential applications	3-year finish warranty for light commercial applications	plications	
Board length	5" (127 mm)	6-1/2" (165 mm)	7-3/4" (197 mm)	
6 assorted lengths	± 19 inches (482 mm) ± 25-1/2 inches (648 mm) ± 30 inches (762 mm) ± 34-1/2 inches (876 mm) ± 41 inches (1,042 mm) ± 60 inches (1,524 mm)	± 19-11/16 inches (500 mm) ± 25-1/2 inches (648 mm) ± 34-5/8 inches (879 mm) ± 43-11/16 inches (1,110 mm) ± 49-1/2 inches (1,258 mm) ± 69-1/4 inches (1,758 mm)	± 23-1/4 inches (590 mm) ± 34-1/8 inches (866 mm) ± 41 inches (1,043 mm) ± 48 inches (1,220 mm) ± 58-7/8 inches (1,496 mm) ± 82-1/8 inches (2,086 mm)	
Packaging	5" (127 mm)	6-1/2" (165 mm)	7-3/4" (197 mm)	
Content of a box Size of a box Weight of a box Content of a pallet Size of a pallet	25 ft² (2.322 m²)     61" L x 10-1/4" W x 3-1/4" H     46 to 51 lbs     40 boxes = 1,000 ft² (4 boxes/W x 10 boxes/H)     61" L x 42" W x 37" H	25 ft² (2.322 m²)     70" L x 7" W x 4-1/4" H     46 to 51 lbs     42 boxes = 1,050 ft² (6 boxes/W x 7 boxes/H)     70" L x 42" W x 33" H	17.60 ft² (1.635 m²)     83" L x 8-3/8" W x 3-1/4" H     50 to 53 lbs     50 boxes = 880 ft² (5 boxes/W x 10 boxes/H)     83" L x 42" W x 37" H	
Relative species hardness NWFA Janka Test Hardness test (ASTM-D-143) Red Oak 1290 lbs* - 100% *lbs = Applied force in pounds	• Maple 1,450 lbs - 12% harder			

 $<sup>^{\</sup>star}$  Cashmere is a registered trademark used under license.





Characteristics	Mirage Engineered			
	Sweet Memories Collection - Handcrafted Oak			
Description	Engineered prefinished hardwood flooring with tongues and grooves     Micro-V bevel (on 4 sides)     Antique look, brushed			
Thickness	• 1/2" (13 mm) (Sawn hardwood layer 5/32" (4 mm	n), 7-ply plywood base 11/32" (9 mm))	• 3/4" (19 mm) (Sawn hardwood layer 5/32" (4 mm), 11-ply plywood base 11/32" (11 mm))	
Width	5" (127 mm)	6-1/2" (165 mm)	7-3/4" (197 mm)	
Species	2 species: Red Oak, White Oak, R&Q		1 species: Red Oak	
Grade	Handcrafted Red Oak (These floors present pron character or milling marks. Some distinctive marks     Handcrafted White Oak, R&Q (These floors pres holes, and other character or milling marks. Some	may become prominent over time due to change ent pronounced color variations, open and close e distinctive marks may become prominent over	es in the environment) ed knots, mineral streaks, cracks, surface	
Color choice (refer to 2016 Mirage Collections)	5 colors: Carousel, Château, Treasure, Hopscotch,			
Finish	Nanolinx HD™: Finishing system made of alumir     Cashmere®* (18% gloss)	<u> </u>	spended in UV cured polyurethane.	
	UV Protection: All products	Formaldehyde: Free		
	Water and solvent: No trace			
	Static Friction Coefficient (ASTM-D-4518-91): Slippe	•		
Applicable standards	Surface Burning (ASTM-E-84):  FSI (Flame Spread Index) 100 to 150 Classe C (depends on wood species)  SD (Smoke Development) less than 400 (depends on wood species)	Surface Burning (ULC-S-102-2):  • FSC (Flame Spread Classification) 80 (depende SD (Smoke Development) max 350 (depends)		
	Critical radiant flux (ASTM-E-648-94a): R value: R 0.44 to 0.51 (depends on wood species)  0.41 watt/cm² (depends on wood species)			
	Formaldehyde emission (ASTM-E-1333-02): Total VOC (ASTM-D-6670-01): Less than 0.01 ppm (depends on wood species)			
Installation	Stapled or glued down (above, on or below grade)			
Subfloor	Wood, concrete or radiant heat system			
Provenance	Made in St-Georges, Qc, Canada.			
Certification	FSC® available on Red Oak and White Oak, R&Q.			
Use	Residential or light commercial			
Accessory	Round Stair nosing, Square Stair nosing, Round Re	educer, Threshold, "T" molding, Quarter round		
Warranty	Structural lifetime limited warranty     35-year finish warranty for residential applications	3-year finish warranty for light commercial ap	plications	
Board length	5" (127 mm)	6-1/2" (165 mm)	7-3/4" (197 mm)	
6 assorted lengths	± 19 inches (482 mm) ± 25-1/2 inches (648 mm) ± 30 inches (762 mm) ± 34-1/2 inches (876 mm) ± 41 inches (1,042 mm) ± 60 inches (1,524 mm)	± 19-11/16 inches (500 mm) ± 25-1/2 inches (648 mm) ± 34-5/8 inches (879 mm) ± 43-11/16 inches (1,110 mm) ± 49-1/2 inches (1,258 mm) ± 69-1/4 inches (1,758 mm)	± 23-1/4 inches (590 mm) ± 34-1/8 inches (866 mm) ± 41 inches (1,043 mm) ± 48 inches (1,220 mm) ± 58-7/8 inches (1,496 mm) ± 82-1/8 inches (2,086 mm)	
Packaging	5" (127 mm)	6-1/2" (165 mm)	7-3/4" (197 mm)	
Content of a box Size of a box Weight of a box Content of a pallet Size of a pallet	25 ft² (2.322 m²)     61" L x 10-1/4" W x 3-1/4" H     46 to 51 lbs     40 to ses = 1,000 ft² (4 boxes/W x 10 boxes/H)     61" L x 42" W x 37" H	• 25 ft² (2.322 m²) • 70" L x 7" W x 4-1/4" H • 46 to 51 lbs • 42 boxes = 1,050 ft² (6 boxes/W x 7 boxes/H) • 70" L x 42" W x 33" H	17.60 ft² (1.635 m²)     83" L x 8-3/8" W x 3-1/4" H     50 to 53 lbs     50 boxes = 880 ft² (5 boxes/W x 10 boxes/H)     83" L x 42" W x 37" H	
Relative species hardness				
NWFA Janka Test Hardness test (ASTM-D-143) Red Oak 1290 lbs* - 100%	Red Oak			
*lbs = Applied force in pounds				

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Characteristics	Mirage Engineered			
	Imagine Collection			
Description	Engineered prefinished hardwood flooring with tongues and grooves     Micro-V bevel (on 4 sides)     Textured			
Thickness	• 1/2" (13 mm) (Sawn hardwood layer 5/32" (4 mm	n), 7-ply plywood base 11/32" (9 mm))	• 3/4" (19 mm) (Sawn hardwood layer 5/32" (4 mm), 11-ply plywood base 11/32" (11 mm))	
Width	5" (127 mm)	6-1/2" (165 mm)	7-3/4" (197 mm)	
Species	3 species: Old Maple, Old Red Oak, Old Hickory		2 species: Old Maple, Old Red Oak	
Grade	Old Maple (These floors present pronounced col other character or milling marks)     Old Red Oak (These floors present pronounced character or milling marks. Some distinctive marks)     Old Hickory (These floors present pronounced on other character marks)	color variations, open and closed knots, mineral smay become prominent over time due to char	streaks, cracks, surface holes, and other ages in the environment)	
Color choice (refer to 2016 Mirage Collections)	6 colors: Papyrus, Rock Cliff, Seashell, Barn Wood Some products may not be available. Ask your Mir			
Finish	Nanolinx HD™: Finishing system made of alumin     Nanolinx™ Commercial: Ultraresistant finishing suv cured polyurethane.     Cashmere®* (18% gloss)	system made of aluminum oxide and nanosilica p		
	UV Protection: All products	Formaldehyde: Free		
	Water and solvent: No trace			
	Static Friction Coefficient (ASTM-D-2047): Slippery			
Applicable standards	Surface Burning (ASTM-E-84):  FSI (Flame Spread Index) 100 to 150 Classe C (depends on wood species)  SD (Smoke Development) less than 400 (depends on wood species)	Surface Burning (ULC-S-102-2):  • FSC (Flame Spread Classification) 80 (depends on wood species)  • SD (Smoke Development) max 350 (depends on wood species)		
	Critical radiant flux (ASTM-E-648-94a): 0.41 watt/cm² (depends on wood species)	R value: R 0.44 to 0.51 (depends on wood species)		
	Formaldehyde emission (ASTM-E-1333-02): Less than 0.01 ppm	Total VOC (ASTM-D-6670-01): 0.011 ppm (depends on wood species)		
Installation	Stapled or glued down (above, on or below grade)			
Subfloor	Wood, concrete or radiant heat system (with the ex	ception of Hickory)		
Provenance	Made in St-Georges, Qc, Canada.			
Certification	FSC® available on Maple, Red Oak and Hickory.			
Use	Residential, light commercial or commercial (Nanol			
Accessory	Textured square stair nosing, Round Reducer, Thre	-		
Warranty	Structural lifetime limited warranty     35-year finish warranty for residential applications	3-year finish warranty for light commercial applicat     5-year finish warranty for commercial applications.		
Board length	5" (127 mm)	6-1/2" (165 mm)	<b>7-3/4"</b> (197 mm)	
6 assorted lengths	± 19 inches (482 mm) ± 25-1/2 inches (648 mm) ± 30 inches (762 mm) ± 34-1/2 inches (876 mm) ± 41 inches (1,042 mm) ± 60 inches (1,524 mm)	± 19-11/16 inches (500 mm) ± 25-1/2 inches (648 mm) ± 34-5/8 inches (879 mm) ± 43-11/16 inches (1,110 mm) ± 49-1/2 inches (1,258 mm) ± 69-1/4 inches (1,758 mm)	± 23-1/4 inches (590 mm) ± 34-1/8 inches (866 mm) ± 41 inches (1,043 mm) ± 48 inches (1,220 mm) ± 58-7/8 inches (1,496 mm) ± 82-1/8 inches (2,086 mm)	
Packaging	5" (127 mm)	6-1/2" (165 mm)	7-3/4" (197 mm)	
Content of a box Size of a box Weight of a box Content of a pallet Size of a pallet	25 ft² (2.322 m²)     61" L x 10-1/4" W x 3-1/4" H     46 to 51 lbs     40 boxes = 1,000 ft² (4 boxes/W x 10 boxes/H)     61" L x 42" W x 37" H	25 ft² (2.322 m²)     70" L x 7" W x 4-1/4" H     46 to 51 lbs     42 boxes = 1,050 ft² (6 boxes/W x 7 boxes/H)     70" L x 42" W x 33" H	17.60 ft² (1.635 m²)     83" L x 8-3/8" W x 3-1/4" H     50 to 53 lbs     50 boxes = 880 ft² (5 boxes/W x 10 boxes/H)     83" L x 42" W x 37" H	
Relative species hardness				
NWFA Janka Test Hardness test (ASTM-D-143) Red Oak 1290 lbs* - 100%	• Red Oak 1,290 lbs - average hardess • Maple 1,450 lbs - 12% harder • Hickory 1,820 lbs - 41% harder			
*lbs = Applied force in pounds				

 $<sup>^{\</sup>star}$  Cashmere is a registered trademark used under license.





Mirage Engineered		
Herringbone Collection		
Engineered prefinished hardwood flooring with tongue and groove edges, and grooves at both ends     Micro-V bevel (on 4 sides)		
3/8" (10 mm) (Sawn hardwood layer 5/32" (4 mm), 5-ply plywood base 7/32" (6 mm))	1/2" (13 mm) (Sawn hardwood layer 5/32" (4 mm), 7-ply plywood base 11/32" (9 mm))	
17-7/8" (455 mm)	20" (508 mm)	
2-9/16" (65 mm)	5" (127 mm)	
4 species: Maple, Red Oak, Hickory, Knotty Walnut		
<ul> <li>Exclusive (As found in nature. A complete species color and charact</li> <li>Knotty Walnut (These floors are appreciated for their pronounced co surface holes, pith, hairline surface cracks, and natural imperfections</li> </ul>	olor variations. They feature mineral streaks, sound and repaired knots,	
21 colors: Natural, Nordic, Rio Platinum, Greystone, Charcoal, Graphit Sonora, Sierra, Golden, Nevada, Auburn, Coffee	ie, Sambuca, Java, Vienna, Havana, Umbria, Rich Oak, Colorado, Savanna,	
Nanolinx HD™: Finishing system made of aluminum oxide and nano     Nanolinx™ Commercial: Ultraresistant finishing system made of alur     UV cured polyurethane.     Semi-gloss (50% gloss) or Cashmere®* (18% gloss)	minum oxide and nanosilica particle composites suspended in	
The state of the s	Formaldehyde: Free	
, , , , ,		
Surface Burning (ASTM-E-84):  • FSI (Flame Spread Index) 100 to 150 Classe C (depends on wood species)  • SD (Smoke Development) 75 to 400 (depends on wood species)	Surface Burning (ULC-S-102-2):  • FSC (Flame Spread Classification) 100 to 150 (depends on wood species)  • SD (Smoke Development) 200 to 300 (depends on wood species)	
Critical radiant flux (ASTM-E-648-94a): 0.25 to 0.40 watt/cm² (depends on wood species)	R value: R 0.3 to 0.4 (depends on wood species)	
Less than 0.01 ppm	Total VOC (ASTM-D-6670-01): Less than 0.011 ppm (depends on wood species)	
3 1 1		
, ,		
Structural lifetime limited warranty     35-year finish warranty for residential applications	3-year finish warranty for light commercial applications	
Length: 17-7/8" (455 mm)	Length: 20" (508 mm)	
Herringbone     Basket     Double Herringbone     Cube     English pattern (bricks)	Herringbone Basket Double Herringbone Cube English pattern (bricks)	
Length: 17-7/8" (455 mm)	Length: 20" (508 mm)	
• 15.28 ft² (1.420 m²)	• 25 ft² (2.322 m²)	
	• 61" L x 10-1/4" W x 3-1/4" H • 46 to 51 lbs	
	• 40 boxes = 1000 ft <sup>2</sup> (5 boxes/W x 8 boxes/H)	
• 42" L x 37" W x 30" H	• 61" L x 42" W x 37" H	
<ul> <li>American Walnut</li> <li>Red Oak</li> <li>Maple</li> <li>Hickory</li> <li>American Walnut</li> <li>1,290 lbs - average hardness</li> <li>1,450 lbs - 12% harder</li> <li>1,820 lbs - 41% harder</li> </ul>		
	Engineered prefinished hardwood flooring with tongue and groove e     Micro-V bevel (on 4 sides) 3/8" (10 mm) (Sawn hardwood layer 5/32" (4 mm), 5-ply plywood base 7/32" (6 mm)) 17-7/8" (455 mm) 2-9/16" (65 mm) 4 species: Maple, Red Oak, Hickory, Knotty Walnut • Exclusive (As found in nature. A complete species color and charact surface holes, pith, hairline surface cracks, and natural imperfections of Knotty Walnut (These floors are appreciated for their pronounced oc surface holes, pith, hairline surface cracks, and natural imperfections 21 colors: Natural, Nordic, Rio Platinum, Greystone, Charcoal, Graphit Sonora, Sierra, Golden, Nevada, Auburn, Coffee  Nanolinx HD™: Finishing system made of aluminum oxide and nance of Nanolinx™ Commercial: Ultraresistant finishing system made of alum UV cured polyurethane.  Semi-gloss (50% gloss) or Cashmere®* (18% gloss) UV Protection: All products  Water and solvent: No trace  Static Friction Coefficient (ASTM-D-2047): Slippery resistance of 0.5  Surface Burning (ASTM-E-84):  • FSI (Flame Spread Index) 100 to 150 Classe C (depends on wood species)  • SD (Smoke Development) 75 to 400 (depends on wood species)  Critical radiant flux (ASTM-E-648-94a):  0.25 to 0.40 watt/cm² (depends on wood species)  Formaldehyde emission (ASTM-E-1333-02):  Less than 0.01 ppm  Glued down (above, on or below grade)  Wood, concrete or radiant heat system (with the exception of Hickory)  Made in St-Georges, Qc, Canada.  FSC® available on Maple, Red Oak, Hickory and Knotty Walnut.  Residential, light commercial or commercial (Nanolinx™ Commercial)  Round Stair nosing, Square Stair nosing, Round Reducer, Threshold, *  • Structural lifetime limited warranty  • 35-year finish warranty for residential applications  Length: 17-7/8" (455 mm)  • Herringbone  • Basket  • Double Herringbone  • Cube  • English pattern (bricks)  Length: 17-7/8" (455 mm)  • 15.28 ft² (1.420 m²)  • 37" L x 8-1/4" W x 3-1/4" H  • 22 to 27 lbs  • American Walnut  1,010 lbs - 22% softer  1,290 lbs - average hardness  1,45	

<sup>\*</sup> Cashmere is a registered trademark used under license.





Characteristics	Mirage Engineered			
	Flair Collection - Light character			
Description	Engineered prefinished hardwood flooring with tongues and grooves     Micro-V bevel (on 4 sides)     An ultra-matte finish on a light character grade			
Thickness	• 1/2" (13 mm) (Sawn hardwood layer 5/32" (4 m	m), 7-ply plywood base 11/32" (9 mm))	• 3/4" (19 mm) (Sawn hardwood layer 5/32" (4 mm), 11-ply plywood base 11/32" (11 mm))	
Width	5" (127 mm)	6-1/2" (165 mm)	7-3/4" (197 mm)	
Species	1 species: Maple	2 species: White Oak, plain sawn, Maple		
Grade	Light character floors have fewer natural character holes and hairline cracks and other character or r environment. Available on Maple and White Oak,	nilling marks. Some distinctive marks may becor		
Color choice (refer to 2016 Mirage Collections)	5 colors: White Mist, Snowdrift, Sand Dune, Grey Some products may not be available. Ask your M			
Finish	DuraMatt™: Finishing system made of aluminum	oxide and nanosilica particle composites susper	nded in UV cured polyurethane.	
	UV Protection: All products	Formaldehyde: Free		
	Water and solvent: No trace			
	Static Friction Coefficient (ASTM-D-2047): Slippery	resistance of 0.5 to 0.55		
Applicable standards	Surface Burning (ASTM-E-84):  • FSI (Flame Spread Index) 100 to 150  Classe C (depends on wood species)  • SD (Smoke Development) less than 400 (depends on wood species)	Surface Burning (ULC-S-102-2):  • FSC (Flame Spread Classification) 80 (depends on wood species)  • SD (Smoke Development) max 350 (depends on wood species)		
	Critical radiant flux (ASTM-E-648-94a): 0.41 watt/cm² (depends on wood species)	R value: R 0.44 to 0.51 (depends on wood species)		
	Formaldehyde emission (ASTM-E-1333-02): • Less than 0.01 ppm	Total VOC (ASTM-D-6670-01): 0.011 ppm (depends on wood species)		
Installation	Stapled or glued down (above, on or below grade)			
Subfloor	Wood, concrete or radiant heat system			
Provenance	Made in St-Georges, Qc, Canada.			
Certification	FSC® available on White Oak, plain sawn and Ma	ple.		
Use	Residential or light commercial			
Accessory	Square Stair nosing, Round Reducer, Threshold,	"T" molding, Quarter round		
Warranty	Structural lifetime limited warranty     35-year finish warranty for residential applications	3-year finish warranty for light commercial ap	plications	
Board length	5" (127 mm)	6-1/2" (165 mm)	7-3/4" (197 mm)	
6 assorted lengths	± 19 inches (482 mm) ± 25-1/2 inches (648 mm) ± 30 inches (762 mm) ± 34-1/2 inches (876 mm) ± 41 inches (1,042 mm) ± 60 inches (1,524 mm)	± 19-11/16 inches (500 mm) ± 25-1/2 inches (648 mm) ± 34-5/8 inches (879 mm) ± 43-11/16 inches (1,110 mm) ± 49-1/2 inches (1,258 mm) ± 69-1/4 inches (1,758 mm)	± 23-1/4 inches (590 mm) ± 34-1/8 inches (866 mm) ± 41 inches (1,043 mm) ± 48 inches (1,220 mm) ± 58-7/8 inches (1,496 mm) ± 82-1/8 inches (2,086 mm)	
Packaging	5" (127 mm)	6-1/2" (165 mm)	7-3/4" (197 mm)	
Content of a box	• 25 ft² (2.322 m²)	• 25 ft² (2.322 m²)	• 17.60 ft² (1.635 m²)	
Size of a box	• 61" L x 10-1/4" W x 3-1/4" H	• 70" L x 7" W x 4-1/4" H	• 83" L x 8-3/8" W x 3-1/4" H	
Weight of a box Content of a pallet	<ul> <li>46 to 51 lbs</li> <li>40 boxes = 1,000 ft² (4 boxes/W x 10 boxes/H)</li> </ul>	<ul> <li>46 to 51 lbs</li> <li>42 boxes = 1,050 ft² (6 boxes/W x 7 boxes/H)</li> </ul>	<ul> <li>50 to 53 lbs</li> <li>50 hoxes = 880 ft² (5 hoxes/W x 10 hoxes/H)</li> </ul>	
Size of a pallet	• 61" L x 42" W x 37" H	• 70" L x 42" W x 33" H	• 83" L x 42" W x 37" H	
Relative species hardness				
NWFA Janka Test Hardness test (ASTM-D-143)	White Oak, plain sawn 1,360 lbs - 5% harder     Maple 1,450 lbs - 12% harder			
Red Oak 1290 lbs* - 100% *lbs = Applied force in pounds				

<sup>\*</sup> Cashmere is a registered trademark used under license.





Characteristics	Mirage Engineered		
	Flair Collection - Heavy character		
Description	Engineered prefinished hardwood flooring with tongues and grooves     Micro-V bevel (on 4 sides)     An ultra-matte finish on a heavy character grade		
Thickness	• 1/2" (13 mm) (Sawn hardwood layer 5/32" (4 mm), 7-ply plywood base 11/32" (9 mm))		
Width	5" (127 mm)		6-1/2" (165 mm)
Species	2 species: White Oak, plain sawn and Maple		
Grade	Heavy character floors have a high number of natural character marks such as pronounced color variations, 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. Available on Maple and White Oak, plain sawn (open grain on White Oak).		
Color choice	5 colors: White Mist, Snowdrift, Sand Dune, Grey Drizzle, Dark Leaf		
(refer to 2016 Mirage Collections)	Some products may not be available. Ask your Mirage representative or consult the product chart.		
Finish	DuraMatt™: Finishing system made of aluminum oxide and nanosilica particle composites suspended in UV cured polyurethane.		
	UV Protection: All products		Formaldehyde: Free
	Water and solvent: No trace		
	Static Friction Coefficient (ASTM-D-2047): Slippery resistance of 0.5 to 0.55		
Applicable standards	Surface Burning (ASTM-E-84):  • FSI (Flame Spread Index) 100 to 150 Classe C (depends on wood species)  • SD (Smoke Development) less than 400 (depends on		Surface Burning (ULC-S-102-2):  FSC (Flame Spread Classification) 80 (depends on wood species)  SD (Smoke Development) max 350 (depends on
	wood species)  Critical radiant flux (ASTM-E-648-94a): 0.41 watt/cm² (depends on wood species)		wood species)  R value: R 0.44 to 0.51 (depends on wood species)
	Formaldehyde emission (ASTM-E-1333-02): Less than 0.01 ppm		Total VOC (ASTM-D-6670-01): 0.011 ppm (depends on wood species)
Installation	Stapled or glued down (above, on or below grade)		
Subfloor	Wood, concrete or radiant heat system		
Provenance	Made in St-Georges, Qc, Canada.		
Certification	FSC® available on Maple and White Oak.		
Use	Residential or light commercial		
Accessory	Square Stair nosing, Round Reducer, Threshold, "T" molding, Quarter round		
Warranty	Structural lifetime limited warranty     35-year finish warranty for residential applications		3-year finish warranty for light commercial applica- tions
Board length	5" (127 mm) White Oak only**	5" (127 mm) Maple only	6-1/2" (165 mm)
6 assorted lengths	± 20-1/8 inches (511 mm) ± 30-3/16 inches (767 mm) ± 41 inches (1,043 mm) ± 51-15/16 inches (1,319 mm) ± 62 inches (1,575 mm)	± 19 inches (482 mm) ± 25-1/2 inches (648 mm) ± 30 inches (762 mm) ± 34-1/2 inches (876 mm) ± 41 inches (1,042 mm) ± 60 inches (1,524 mm)	± 19-11/16 inches (500 mm) ± 25-1/2 inches (648 mm) ± 34-5/8 inches (879 mm) ± 43-11/16 inches (1,110 mm) ± 49-1/2 inches (1,258 mm) ± 69-3/16 inches (1,758 mm)
Packaging	5" (127 mm) White Oak only	5" (127 mm) Maple only	6-1/2" (165 mm)
Content of a box Size of a box Weight of a box Content of a pallet Size of a pallet	34.21 ft² (3.178 m²)     83" L x 10-1/4" W x 3-1/4" H     62 lbs     40 boxes = 1,368 ft² (4 boxes/W x 10 boxes/H)     83" L x 42" W x 37" H	• 25 ft² (2.322 m²) • 61" L x 10-1/4" W x 3-1/4" H • 46 to 51 lbs • 40 boxes = 1,000 ft² (4 boxes/W x 10boxes/H) • 61" L x 42" W x 37" H	• 25 ft² (2.322 m²) • 70" L x 7" W x 4-1/4" H • 46 to 51 lbs • 42 boxes = 1,050 ft² (6 boxes/W x 7 boxes/H) • 70" L x 42" W x 33" H
Relative species hardness			
NWFA Janka Test Hardness test (ASTM-D-143) Red Oak 1290 lbs* - 100%	<ul> <li>White Oak, plain sawn</li> <li>Maple</li> <li>1,360 lbs - 5% harder</li> <li>1,450 lbs - 12% harder</li> </ul>		
*lbs = Applied force in pounds			

<sup>\*</sup> Cashmere is a registered trademark used under license.
\*\* Lenghts only available for the White Oak Heavy character in th Flair Collection.