ELEMENTAL

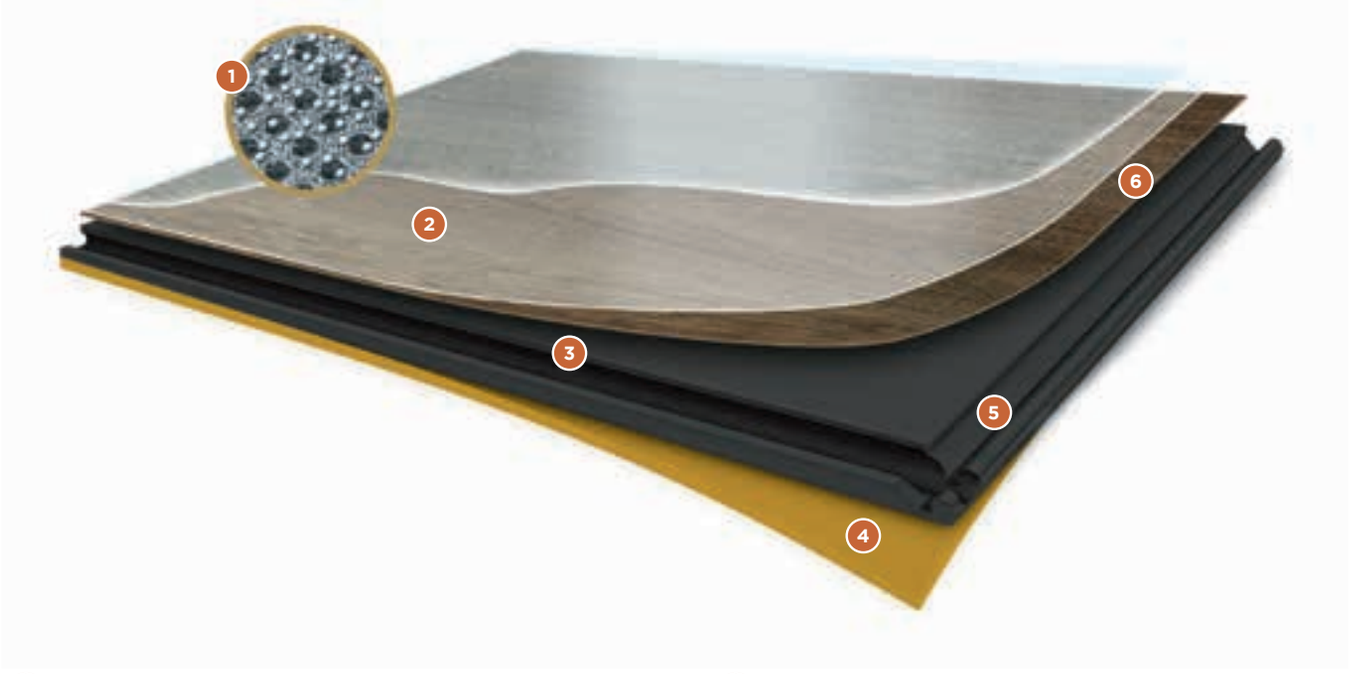
RIGID CORE FLOORING

BY ASPECTA®

RIGID OAK

ELEMENTAL BY ASPECTA™

CONSTRUCTION



1 URETHANE COATING WITH CERAMIC BEAD PARTICLES

Microscopic ceramic particles suspended in a UV cured urethane coating for superior wear and stain resistance and easy care and maintenance.

2 CLEAR VINYL WEAR LAYER

Transparent vinyl wear layer provides significant durability against scuffs and abrasions.

3 SOLID POLYMER CORE

A high-density waterproof solid polymer composite core that is rigid, strong, dimensionally stable, and dent resistant.

4 SOUND MITIGATING UNDERLAYMENT

A pre-attached underlayment that minimizes transmitted sound, is shock absorbing, and provides warmth and comfort underfoot and helps further conceal subfloor imperfections.

5 DROPLOCK 100™ TECHNOLOGY

End joints utilize DROPLOCK 100™ Technology to facilitate a fold-down locking connection that dramatically expedites installation speed and aligns the top-surfaces of adjoining planks.

6 HIGH-RESOLUTION PRINTED DECORATIVE FILM

High-resolution printed film delivers the beauty and realism of natural wood with vivid clarity.

OAK FLAME - GREY
ES812215

ES537815 COUNTRY OAK - FUMED

ES537811 COUNTRY OAK - NATURAL

ES537812 COUNTRY OAK - IVORY

ES812215 OAK FLAME - GREY

ES530212 MODERN OAK - GREY

ES530217 MODERN OAK - NORDIC

TECHNICAL DATA

PHYSICAL PROPERTIES & PACKAGING (FLOATING MULTILAYER MODULAR FLOORING – 5,2 / 0,55 MM)	
Series & Collections	Woods • Country Oak Fumed • Country Oak Natural • Country Oak Ivory • Modern Oak Graphite • Modern Oak Nordic • Modern Oak Grey
Construction **Extruded Vinyl Core** **Pre-Attached Underlayment**	4,2 mm (including printfilm) 1,0 mm HDPE
Use	Commercial and Residential
Size	1210 mm x 180 mm
Wear Layer	0.55 mm
Edge Detail	4 sides Micro-Bevel Edge
Finish	Urethane with Ceramic Bead (CB)
Embossing(s)	Natural Timber
Thickness	5,2 mm
Mass per Unit Area	7,89 kg/m^2
Pieces/Carton	10
Coverage/Piece	0,22 m^2
Coverage/Carton	2,178 m^2
Coverage/Pallet	56 Cartons/Pallet (121,97 m^2)
Coverage/Container	20 Pallets/Container (2439,40 m^2)
Limited Warranty	10 year commercial 15 year residential

EUROPEAN / INTERNATIONAL STANDARDS – MANUFACTURING & USAGE (EN 16511)

Description	Standard	Requirements	Results
Classification (Level of Use)	EN 16511 EN ISO 10874	**Commercial – Very Heavy (Class 34)** Refer to Standards Below	Passes Requirements (Refer to Results Below)
Wear Resistance IP, Method A	EN 13329, Annex E	≥4,000 cycles	Surpasses Requirements
Impact Resistance (Big Ball)	EN 13329+A1, Annex F	No Cracks	Surpasses Requirements
Micro-Scratch Resistance [Class][3]	EN 16094, Method B	MSR-A2/MSR-B1	Passes / Surpasses
Castor Chair Resistance	EN 425	After 25,000 cycles: No Disturbance to the Surface; No Delamination, Cracks, or Disruptions	Passes Requirements
Effect of Furniture Leg	EN 424	No Visible Damage	Passes Requirements
Residual Indentation	EN ISO 24343-1	≤0.15mm	Surpasses Requirements
Resistance to Staining [Grade, per Group]	EN 438-2 (Group 1 & 3 - Only 10 Minutes)	Groups 1, 2 & 3: Grade 5	Passes Requirements
Locking Strength	ISO 24334	Long Side ≥ 2.0kN/m Short Side ≥ 3.5kN/m	Surpasses Requirements
Dimensional Stability Due to Variation of Temperature	EN ISO 23999	≤0.25%	Surpasses Requirements
Thickness (t)	ISO 24337	$\bar{t}_{avg}$ ≤ 0.50mm (Versus Nominal) $t_{max} - t_{min} \leq 0.50mm$	Passes Requirements
Length (l)	ISO 24337	l ≤ 1500mm: $\bar{l}$ ≤ 0.5mm l > 1500mm: $\bar{l}$ ≤ 0.3mm/m (Versus Nominal)	Passes Requirements
Width (w)		$\bar{w}_{avg}$ ≤ 0.10mm (Versus Nominal) $w_{max} - w_{min} \leq 0.20mm$	Passes Requirements
Squareness (q)		$q_{max} \leq 0.20mm$	Passes Requirements
Straightness (s)		$s_{max} \leq 0.30mm/m$	Passes Requirements
Flatness (f)	ISO 24337	Maximum Single Values: $f_{w,concave} \leq 0.15\%$, $f_{w,convex} \leq 0.20\%$ $f_{l,concave} \leq 0.50\%$, $f_{l,convex} \leq 1.00\%$	Passes Requirements
Openings (o)	ISO 24337	Measured from the Surface Between Vertical, Contacting Edges: $o_{avg} \leq 0.15mm$, $o_{max} \leq 0.20mm$	Passes Requirements
Height Difference (h)	ISO 24337	$h_{avg} \leq 0.10mm$ $h_{max} \leq 0.15mm$	Passes Requirements

TECHNICAL DATA

EUROPEAN / INTERNATIONAL STANDARDS – AUXILIARY PERFORMANCE & SAFETY			
Description	**Standard**	**Requirements**	**Results**
Colour Fastness to Light	ISO 105-B02, Method 3	≥Grade 6	Passes Requirements
Slip Resistance (Wet)	DIN 51130	Grade R10: ≥10° and <19°	Surpasses Requirements
Slip Resistance (Australia / New Zealand)	AS 4586	**Wet Pendulum (Slider 96)** P4: 45-54 SRV **Oil-Wet Inclining Platform** Grade R9: ≥6° and <10°	Passes / Surpasses
Slip Resistance (UK)	BS 7976-2+A1	Ratings - Slip Potential Low: 36+ PTV Moderate: 25-35 PTV High: 0-24 PTV	Low Slip Potential - Dry & Wet
Resistance to Staining	EN ISO 26987:2012	N/A (No Official Requirements)	0 (Not Affected/Unchanged)
Density	EN ISO 23996:2012/ ISO 23996:2007 Method A	N/A	1589 kg/m^3
Thickness of wear layer	ISO 24340: 2006	N/A	Surpasses Requirements
Impact Sound Insulation[1]	EN ISO 10140-3 ISO 717-2 EN ISO 140-8	N/A	ΔL_w = 20 dB
A-weighted walking sound pressure level	EN 16205:2013	N/A	$L_{n,walk,\ A}$ = 80 dB(A)
Product-Content Safety	REACH SVHC 191	Refer to Standard	Passes Requirements

EUROPEAN / INTERNATIONAL STANDARDS – CE CERTIFICATION / TESTING			
Description	**Standard**	**Requirements**	**Results**
CE Certification	EN 14041	Refer to Standards Below	Refer to Results Below
Reaction to Fire (and Smoke Production)	EN 13501-1 EN ISO 9239-1 EN ISO 11925-2	**B_{fl}- s1 Classification** Critical Flux: ≥8.0kW/m^2 Flame Spread: ≤150mm within 20s Smoke value as % x min: ≤750	Passes Requirements
Formaldehyde Emission	EN 717-1	**Class E1:** Release ≤0.124mg/m^3	Passes Requirements
Content of PCP (Pentachlorophenol)	EN 12673:1999	<5ppm	Passes Requirements
Slip Resistance (Dry)	EN 13893	**Class DS:** Coefficient of Friction ≥0.30	Surpasses Requirements
Static Electrical Propensity	EN 1815, Method A	**Antistatic Floor Coverings:** ≤2,0kV (Absolute Value)	Passes Requirements/Antistatic
Thermal Resistance **Thermal Conductivity**	EN 12664	N/A (No Official Requirements)	TR= 0,051 (m^2.K)/W TC= 0,102 W/m.k

Footnotes
1) **Impact Sound Insulation (EN ISO 10140-3, ISO 717-2, EN ISO 140-8):** ΔL_w = Weighted Reduction of Impact Sound Pressure Level

The manufacturing facility is ISO 9001 (Quality Management System) and ISO 14001 (Environmental Management System) certified.

MODERN OAK - NORDIC
ES530217