



ELEMENTAL

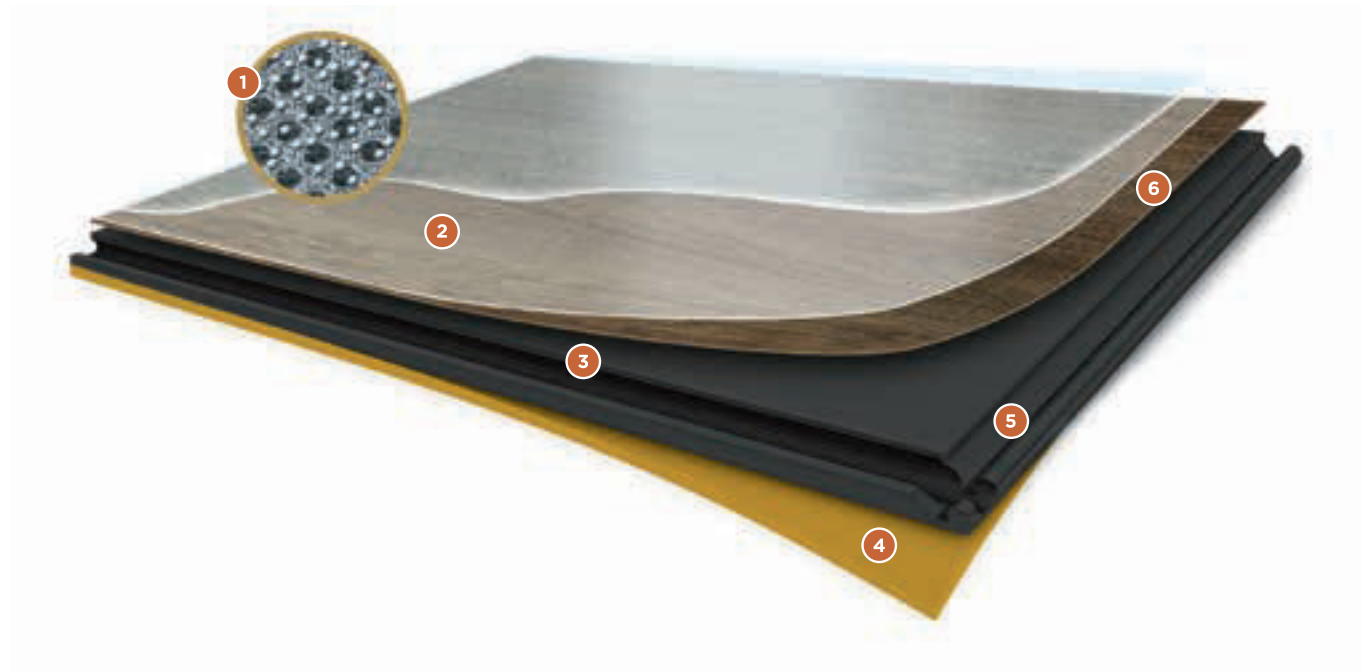
RIGID CORE FLOORING

BY ASPECTA

RIGID CONCRETE

# CONSTRUCTION

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**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.





**ES1722360 AUTHENTIC CONCRETE - PEWTER**



**ES1722362 AUTHENTIC CONCRETE - TITANIUM**



ES1722364 AUTHENTIC CONCRETE - OXIDE



ES1722367 AUTHENTIC CONCRETE - STEEL





ES1722369 AUTHENTIC CONCRETE - LEAD



AUTHENTIC CONCRETE - OXIDE  
ES1722364

# TECHNICAL DATA

## PHYSICAL PROPERTIES & PACKAGING (FLOATING MULTILAYER MODULAR FLOORING - 5,2 / 0,55 MM)

|  |  |
|--|--|
| Series & Collections   | Concrete <ul style="list-style-type: none"> <li>• Authentic Concrete Pewter</li> <li>• Authentic Concrete Titanium</li> <li>• Authentic Concrete Oxide</li> <li>• Authentic Concrete Steel</li> <li>• Authentic Concrete Lead</li> </ul> |
| Construction<br>Extruded Vinyl Core<br>Pre-Attached Underlayment | 4,2 mm (including printfilm)<br>1,0 mm HDPE  |
| Use  | Commercial and Residential   |
| Size   | 906 mm x 448 mm  |
| Wear Layer   | 0,55 mm  |
| Edge Detail  | 4 sides Micro-Bevel Edge   |
| Finish   | Urethane with Ceramic Bead (CB)  |
| Embossing(s)   | Textured Concrete  |
| Thickness  | 5,2 mm   |
| Mass per Unit Area   | 7,83 kg/m <sup>2</sup>   |
| Pieces/Carton  | 6  |
| Coverage/Piece   | 0,41 m <sup>2</sup>  |
| Coverage/Carton  | 2,44 m <sup>2</sup>  |
| Coverage/Pallet  | 48 Cartons/Pallet (116,90 m <sup>2</sup> )   |
| Coverage/Container   | 20 Pallets/Container (2337,91 m <sup>2</sup> )   |
| Limited Warranty   | 10 year commercial<br>15 year residential  |

## EUROPEAN / INTERNATIONAL STANDARDS - MANUFACTURING & USAGE (EN 16511)

| Description  | Standard                                    | Requirements   | Results   |
|--|---|--|---|
| Classification (Level of Use)                            | EN 16511<br>EN ISO 10874                    | <b>Commercial - Very Heavy (Class 34)</b><br>Refer to Standards Below  | Passes Requirements<br>(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] <sup>3</sup>            | EN 16094, Method B                          | MSR-A2/MSR-B1  | Passes / Surpasses                              |
| Castor Chair Resistance                                  | EN 425                                      | After 25,000 cycles: No Disturbance to the Surface;<br>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 -<br>Only 10 Minutes) | Groups 1, 2 & 3: Grade 5   | Passes Requirements                             |
| Locking Strength   | ISO 24334                                   | Long Side ≥ 2,0kN/m<br>Short Side ≥ 3,5kN/m  | Surpasses Requirements                          |
| Dimensional Stability Due to<br>Variation of Temperature | EN ISO 23999                                | ≤0,25%   | Surpasses Requirements                          |
| Thickness (t)  | ISO 24337                                   | $\bar{t}_{avg} \leq 0,50\text{mm}$ (Versus Nominal)<br>$t_{max} - t_{min} \leq 0,50\text{mm}$  | Passes Requirements                             |
| Length (l)   | ISO 24337                                   | $l \leq 1500\text{mm}$ : $\bar{l} \leq 0,5\text{mm}$<br>$l > 1500\text{mm}$ : $\bar{l} \leq 0,3\text{mm/m}$<br>(Versus Nominal)                | Passes Requirements                             |
| Width (w)  |   | $\bar{w}_{avg} \leq 0,10\text{mm}$ (Versus Nominal)<br>$w_{max} - w_{min} \leq 0,20\text{mm}$  | Passes Requirements                             |
| Squareness (q)   |   | $q_{max} \leq 0,20\text{mm}$   | Passes Requirements                             |
| Straightness (s)   |   | $s_{max} \leq 0,30\text{mm/m}$   | Passes Requirements                             |
| Flatness (f)   | ISO 24337                                   | Maximum Single Values:<br>$f_{w,concave} \leq 0,15\%$ , $f_{w,convex} \leq 0,20\%$<br>$f_{l,concave} \leq 0,50\%$ , $f_{l,convex} \leq 1,00\%$ | Passes Requirements                             |
| Openings (o)   | ISO 24337                                   | Measured from the Surface Between Vertical,<br>Contacting Edges:<br>$o_{avg} \leq 0,15\text{mm}$ , $o_{max} \leq 0,20\text{mm}$                | Passes Requirements                             |
| Height Difference (h)                                    | ISO 24337                                   | $h_{avg} \leq 0,10\text{mm}$<br>$h_{max} \leq 0,15\text{mm}$   | 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  | <b>Wet Pendulum (Slider 96)</b><br>P4: 45-54 SRV<br><b>Oil-Wet Inclining Platform</b><br>Grade R9: ≥6° and <10° | Passes / Surpasses             |
| Slip Resistance (UK)                      | BS 7976-2+A1                                     | Ratings - Slip Potential<br>Low: 36+ PTV<br>Moderate: 25-35 PTV<br>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/<br>ISO 23996:2007<br>Method A | N/A   | 1589 kg/m <sup>3</sup>         |
| Thickness of wear layer                   | ISO 24340: 2006                                  | N/A   | Surpasses Requirements         |
| Impact Sound Insulation <sup>1</sup>      | EN ISO 10140-3<br>ISO 717-2<br>EN ISO 140-8      | N/A   | $L_{w} = 20$ dB                |
| A-weighted walking sound pressure level   | EN 16205:2013                                    | N/A   | $L_{nwalk,A} = 80$ 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<br>EN ISO 9239-1<br>EN ISO 11925-2 | <b>B<sub>n</sub>-s1 Classification</b><br>Critical Flux: ≥8.0kW/m <sup>2</sup><br>Flame Spread: ≤150mm within 20s<br>Smoke value as % x min: ≤750 | Passes Requirements                                |
| Formaldehyde Emission                      | EN 717-1                                      | <b>Class E1:</b> Release ≤0.124mg/m <sup>3</sup>  | Passes Requirements                                |
| Content of PCP (Pentachlorophenol)         | EN 12673:1999                                 | <5ppm   | Passes Requirements                                |
| Slip Resistance (Dry)                      | EN 13893                                      | <b>Class DS:</b> Coefficient of Friction ≥0.30  | Surpasses Requirements                             |
| Static Electrical Propensity               | EN 1815,<br>Method A                          | <b>Antistatic Floor Coverings:</b><br>≤2.0kV (Absolute Value)   | Passes Requirements/Antistatic                     |
| Thermal Resistance<br>Thermal Conductivity | EN 12664                                      | N/A (No Official Requirements)  | TR= 0,051 (m <sup>2</sup> .K)/W<br>TC= 0,102 W/m.k |

### Footnotes

1) **Impact Sound Insulation (EN ISO 10140-3, ISO 717-2, EN ISO 140-8):**  $L_{w}$  = Weighted Reduction of Impact Sound Pressure Level

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



**AUTHENTIC CONCRETE - PEWTER**  
ES1722360