

**PRODUCT SPECIFICATIONS**

|                     |   |                     |   |                          |
|---------------------|---|---------------------|---|--------------------------|
| Product             | Dimensions  | Overall Thickness:  | 2.5MM   |                          |
|                     |   | Width and Length:   | 228.6 X 1219.2 X 2.5MM                                  |                          |
|                     | Packaging   | Per Carton          | 16 Planks   | 4.4593 sq.m. 22.5 kgs.   |
|                     |   | Per Pallet          | 48 Cartons  | 214.05 sq.m. 1100 kgs.   |
|                     |   | Per 20'GP Container | 22 Pallets  | 4709.10 sq.m. 24200 kgs. |
|                     | Construction  | Top Layers          | High Definition Decor Film                              |                          |
|                     |   |                     | Ceramic Bead UV-Polyurethane Coating                    |                          |
|                     |   |                     | 0.55MM Wear Layer                                       |                          |
|                     |   | Core                | 2.5mm Vinyl Composite: 0% wood,<br>100% Virgin Material |                          |
|                     |   | Density             | ≥ 1950 kg/m <sup>3</sup>                                |                          |
| Pad                 |   | Not Recommended     |   |                          |
| Bevel               | V Bevel   |                     |   |                          |
| Installation        | Glue Down   |                     |   |                          |
| Under Floor Heating | Approved - See installation manual for details  |                     |   |                          |
| Warranty            | Lifetime limited residential, 10 year limited light commercial, 6 year limited commercial |                     |   |                          |

| S/N  | Performance / Properties                     | Test Method                                   | Criteria  |
|--|--|---|---|
| <b>A. Dimensions and Dimension Tolerance</b> |  |   |   |
| 1  | Tile side length                             | ISO 24342 or EN 427                           | ≤0.15% of nominal length up to 0.5mm maximum  |
| 2  | Tile square-ness                             | ISO 24342 or EN 427                           | Permissible deviation For ≤ 400mm : ≤0.25mm<br>For > 400mm : ≤0.35mm  |
| 3  | Overall thickness                            | ISO 24346 or EN 428                           | Average value should be nominal value with a tolerance of -0.10/+0.13 mm.<br>Individual results should be average value ± 0.15mm.   |
| 4  | Thickness of wear layer                      | ISO 24340 or EN 429                           | Average value should be nominal value with a tolerance of -0.10/+0.13% but not more than 0.1mm.<br>Individual values should not vary more than 0.05mm or 15% below the average, whichever is greater. |
| 5  | Total mass per unit area                     | ISO 23997 or EN 430                           | Average value (g/m <sup>2</sup> ) should be nominal value with a tolerance of -10% / +13%.  |
| <b>B. Physical Properties</b>                |  |   |   |
| 1  | Dimensional stability after exposure to heat | ISO 23999 or EN 434                           | ≤ 0.25%   |
| 2  | Curling after exposure to heat               | ISO 23999 or EN 434                           | ≤ 2mm   |
| 3  | Residual indentation                         | ISO 24343-1 Part 1 or EN 433                  | ≤ 0.1mm   |
| 4  | Effect of castor chair                       | ISO 4918 or EN 425                            | After 25,000 cycles, no delamination shall occur. No disturbance to the surface other than a slight change in appearance<br>Type W; Only minor changes in surface, no delamination                    |
| 5  | Abrasion resistance                          | EN 660 Part 1 & 2                             | Wear Group T<br>Volume loss F ≤ 2.0mm <sup>3</sup>  |
| 6  | Slip resistance                              | SS 485 (Dry floor friction test)              | Coefficient of friction ≥ 0.4   |
|  |  | SS485 (Wet condition- pendulum friction test) | Classification X minimum  |

| <b>C. Chemical Properties</b> |   |   |  |
|-------------------------------|---|---|--|
| 1                             | Color fastness to artificial light                                      | ISO 105-B02<br>or<br>ASTM F1515   | Grade 6 minimum<br><br>$\Delta E \leq 8$ after 300 hr where E is irradiance in $W/m^2$   |
| 2                             | Stain & Chemical resistance   | ISO 26987<br>or<br>EN 423   | Achieve Class 0 – no change, when test with common household stains and chemicals<br>e.g. Olive oil, Coffee, Vinegar, Wine, Household ammonia, Household bleach etc. for contact duration of 2 hours |
| <b>D. Fire Performance</b>    |   |   |  |
| 1                             | Toxicity  | BS 6853 Annex B   | Achieve $R < 1.0$  |
| 2                             | Smoke Production  | EN 13501-1 / EN   | Achieve S1   |
| 3                             | Flame spread/ ignition  | EN 13501-1 / EN   | Achieve B fl   |
| 4                             | Cigarette burn  | EN 1399   | Class 3 minimum  |
| <b>E. Other Criteria</b>      |   |   |  |
| 1                             | Floor Score recognized by SCS Global Services                           | Indoor Air Quality Certified to SCS-EC10.3-2014 v4.0<br>Conforms to the CDPH/EHLB Standard Method v1.2-2017 for the school classroom and private office parameters when modeled as Flooring.<br>Measured Concentration of Total Volatile Organic Compounds (TVOC): Less than/equal to 0.5 mg/m <sup>3</sup> |  |
| 2                             | CE Certificate recognized by Center for textile Science and Engineering | Comply with the technical requirements referenced in EN 14041, EN 13501-1, EN 717-1 and EN 13893  |  |