

| Items   | Standards  | Requirements   | Result  |
|---|--|--|---|
| GreenGuard Gold Certified                                 | UL 2818 – 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings | Refer to Standards   | Pass  |
| Floorscore Certification                                  | SCS-EC10.3-2014v3.0  | Refer to Standards   | Pass  |
| CE Certification  | EN14041  | Refer to Standards   | Pass  |
| Fire resistance   | EN 9239-1<br>EN ISO11925-2<br>EN 13501-1   | Critical Flux $\geq$ 8.0kW/m <sup>2</sup><br>Fs $\leq$ 150mm within 20s<br>Smoke $\leq$ 750% minutes | Bfl-S1  |
| Phthalate tests (DBP/BBP/DEHP/DINP/DNOP/DIDP)             | EN 14372:2004  | N/A  | Free  |
| Dimension stability                                       | ASTM F2199-09(R2014)   | $\leq$ 0.25%   | Manufacturing direction:-0.046%<br>Across-manufacturing direction:-0.009% |
| Seam strength   | EN 684:1995  | N/A  | Ave.:360N/50mm Pass<br>Min.:330N/50mm                                     |
| Residual indentation (%)                                  | ASTM F1700-13a & ASTM F1914-07(2011)   | Average value $\leq$ 8<br>Individual value $\leq$ 10   | 0.4 Pass  |
| Resistance to chemicals                                   | ASTM F1700-13a & ASTM F925-13  | No more than a slight change in surface dulling,surface attack,or staining                           | No change in surface dulling,surface attack,or staining was detected      |
| Heat stability  | ASTM F1514-03(R2013)   | $\Delta E^*ab < 8$   | $\Delta E^*ab=0.67$ Pass  |
| Static loading  | ASTM F970-17   | N/A  | 0.04mm Pass   |
| Soluble heavy metal contents test                         | ASTM F963-16(Clause 8.3)   | N/A  | Free  |
| Large ball impact resistance                              | NALFA/ANSI LF-01-2011  | N/A  | No cracks or fractures occurred at the height of 2500mm                   |
| Static Electrical Propensity                              | EN 1815:2016 method A  | $\leq$ 2kV   | 0.2kV   |
| Sound Transmission Class                                  | ASTM E90-2009(R2016)<br>ASTM E413-10   | N/A  | STC=68  |
| Formaldehyde  | ISO 17226-1:2008   | N/A  | Free  |
| Surface Bond  | NALFA/ANSI LF-01-2011  | N/A  | 1.14MPa Pass  |
| Resilient floor covering Determination of peel resistance | EN ISO 24345:2012  | $\geq$ 54N/50mm  | Longitudinal direction:95N/50mm<br>Cross direction:95N/50mm               |
| Castor chair Resistance(25000 Cycles)                     | NALFA/ANSI LF-01-2011<br>ISO4918:2016  | N/A  | No damage was found after test  |
| Thermal conductivity                                      | EN 12667:2001  | N/A  | 0.154 W/(m.K)   |
| Thermal Resistance  | EN 12667:2001  | N/A  | 0.033(m <sup>2</sup> .K)/W  |
| Colour Fastness   | EN ISO 105-B02:2014  | N/A  | Grade 6   |
| Curling   | ISO 23999:2008   | N/A  | Average: 0.5mm Pass   |
| Locking strength  | ISO 10582:2017 Annex D   | Class 32,<br>type I: $\geq$ 1.5kN/m  | Long side(X): 7.6 kN/m<br>Short side(Y): 6.3 kN/m Pass                    |
| Resistance to staining                                    | ISO 26987:2008   | N/A  | Index 0: Not affected Pass  |
| Slip resistance (oil-wet ramp test)                       | DIN 51130:2014-02  | N/A  | Critical angle of inclination: 14.8°Classification: R10 Pass              |
| Resistance to bacteria                                    | ISO 846-1997 Method C  | N/A  | Assessment of bacteria growth: 0 Pass                                     |