

# TECHNICAL INFORMATION & SPECIFICATIONS



## PRODUCT INFORMATION

|                                      |                                |  |
|--------------------------------------|--------------------------------|--|
| <b>CONSTRUCTION</b>                  | Polypropylene Based (PVC Free) | Ceramic Mineral Board (Homogenous)                 |
| <b>THICKNESS</b>                     | 5.5 mm nominal (4.5+1 mm)      |  |
| <b>WOOD - PLANK DIMENSIONS</b>       | 1290 mm x 203 mm               | 50.78" x 7.99"                                     |
| <b>WOOD - PLANKS PER CARTON / SF</b> | 9 planks                       | 25.37 SF   |
| <b>STONE - TILE DIMENSIONS</b>       | 638 mm x 310 mm                | 25.12" x 12.20"                                    |
| <b>STONE - TILES PER CARTON / SF</b> | 12 tiles                       | 25.55 SF   |
| <b>INSTALLATION SYSTEM</b>           | Glueless click                 | Megaloc - angle drop                               |
| <b>EDGE DETAIL</b>                   | Micro-Bevel Edge               |  |
| <b>FINISH / WEAR LAYER</b>           | Sealtec Plus                   | 0.20 mm  |
| <b>DENSITY</b>                       | 1 Plank = 1.91 kg              | 1,480 kg/m <sup>3</sup> / 92.4 lbs/ft <sup>3</sup> |
| <b>LIMITED WARRANTY</b>              | Lifetime Limited Residential   | 10 Years Light Commercial                          |
| <b>COUNTRY OF MANUFACTURE</b>        | Germany                        |  |

## STANDARDS - MANUFACTURING & USAGE

|            | Performance                            | Test Method                    | Measure  |
|------------|--|--------------------------------|--|
| EN 16511   | Geometric properties                   | ISO 24337                      | Requirements. According to Table 1 fulfilled                     |
|            | Abrasion resistance                    | EN 15468 (Falling-Sand Method) | Exceeds requirements, > 7000 Revolutions                         |
|            | Resistance against impact              | EN 13329                       | Meets requirements, Big ball > 1800 mm                           |
|            | Microscratch resistance                | EN 16094                       | Meets requirements, MSR-A2                                       |
|            | Effect of a castor chair               | EN 425                         | Meets requirements, no visible change/damages                    |
|            | Effect of a furniture leg              | EN ISO 16581                   | Meets requirements, no visible change/damages                    |
|            | Determination of static indentation    | EN ISO 24343                   | Exceeds requirements, 0.1 mm                                     |
|            | Resistance against staining            | EN 438-2                       | Exceeds requirements, Grade 5 for Groups 1, 2 & 3                |
|            | Locking strength                       | ISO 24334                      | Exceeds requirements, Long side > 2.5 kN/m Short side > 4.5 kN/m |
|            | Dimensional stability                  | EN ISO 23999                   | Exceeds requirements, Length 0.1% / Width 0.1%                   |
| ASTM F3261 | Size, tol. ≥24 in. ≤48 in.             | ISO 24337 - Tile, Plank        | Meets and/or Exceeds   |
|            | Size, tol. ≥48 in.                     | ISO 24337 - Plank              | Meets and/or Exceeds   |
|            | Thickness                              | ASTM F387                      | Meets and/or Exceeds   |
|            | Squareness                             | ISO 24337                      | Meets and/or Exceeds   |
|            | Flatness, max, inches (width & length) | ISO 24337                      | Meets and/or Exceeds   |
|            | Openings, avg / max, mm                | ISO 24337                      | Meets and/or Exceeds   |
|            | Ledging, avg / max, mm                 | ISO 24337                      | Meets and/or Exceeds   |
|            | Residual indentation, in.              | ASTM F1914                     | Exceeds requirements, 0.002 inch @ 75 lbs                        |
|            | Surface integrity                      | ASTM F1914                     | Meets and/or Exceeds @ 140 lbs                                   |
|            | Dimensional stability                  | ASTM F2199                     | Exceeds requirements, Length 0.1% / Width 0.1%                   |
|            | Curl, inches                           | ASTM F2199                     | Exceeds requirements, 1 mm                                       |
|            | Resistance to chemicals                | ASTM F925                      | Exceeds requirements, "0 - No Change"                            |
|            | Resistance to heat                     | ASTM F1514                     | Exceeds requirements, Delta E Rating (ΔE) < 0.5                  |
|            | Resistance to light                    | ASTM F1515                     | Exceeds requirements, Delta E (ΔE) Rating < 1                    |
|            | Static Load                            | ASTM F970                      | Exceeds requirements, 1,200 psi 0.005" (0.13mm)                  |

**SUSTAINABILITY - GREENGUARD Gold Certified.** This Standard includes health-based criteria to ensure that products are acceptable for use in environments such as schools and health care facilities. In addition to limiting emissions of more than 360 VOCs and total chemical emissions, comply with requirements of the state of California Department of Public Health (CDPH) Standard Method for the Testing and Evaluation of VOC Emissions from Indoor Sources Using Environmental Chambers, Version 1.1 (2010) (also known as California Section 01350 or CDPH v.1.1-2010)

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|               | Performance  | Test Method  | Measure  |
|---------------|--|--|--|
| SUPPLEMENTARY | R-value / Thermal Resistance   | EN 12667   | 0.033 (m <sup>2</sup> K) / W   |
|               | Light fastness   | EN 13329   | Meets and/or Exceeds   |
|               | Thickness Swelling   | NALFA 3.2  | Exceeds requirements, < 0.9%   |
|               | Surface Bond   | NALFA 3.10   | Exceeds requirements, 2.10 N/mm <sup>2</sup>   |
|               | Deflection   | ASTM F1304   | Meets and/or Exceeds   |
|               | Static Propensity (Step & Scuff)                                       | AATCC 134  | Maximum Average 2.5 kv Negative  |
|               | Slip resistance  | EN 13893   | μ = 0.40 class DS according to EN 14342  |
|               |  | ANSI / NFSI B101.3                                       | ≥ 0.36 DCOF Wet  |
|               | Resistance to Fungi  | ASTM G21   | Rating 1 (wk1-0, wk2-0, wk3-0, wk4-1)  |
|               | Heavy Metals - Sb, As, Ba, Cd, Cr, Hg, Pb, Se                          | EN 15102 to DIN EN 71-3 and DIN EN 12149                 | Passes, Very Low or Not Detectable   |
|               | Flammability   | ASTM D2859   | Passes, (face side)  |
|               | Smoke density  | ASTM E662  | Passes, 83 Flaming / 447 Non-flaming   |
|               | Critical radiant flux  | ASTM E648  | Passes, > 0.45 W/cm <sup>2</sup> / Class I   |
| SOUND         | Airborne Sound Transmission Loss                                       | ASTM E90 & ASTM E413, 6" Slab<br>8" Slab w/drop ceiling  | Sound transmission loss STC 50 dB<br>Sound transmission loss STC 62 dB   |
|               | Impact Sound Transmission  | ASTM E492 & ASTM E989, 6" Slab<br>8" Slab w/drop ceiling | Impact insulation class IIC 55 dB<br>High-Frequency Impact insulation class HIIC 57 dB<br>Impact insulation class IIC 73 dB<br>High-Frequency Impact insulation class HIIC 91 dB |
|               | Effectiveness of Floor Coverings in Reducing Impact Sound Transmission | ASTM E2179   | Increase impact insulation ΔIIC 22 dB  |
|               |  |  |  |
|               |  |  |  |

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