

STONE FLOOR











MSPC LAMINATE
FLOORING

MSPC TECHNICAL DATA




STONEFLOOR

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| Description | Standard | Symbol | Requirements | Results |
|----------------------------------|------------------------------|---|--|----------------------------------|
| Identification | EN ISO 10582 | N/A | Type I: Wear Layer Binder Content $\geq 80\%$ | Passes Requirements |
| Classification (Level of Use) | EN ISO 10582 EN ISO 10582 |  | Domestic - Heavy (Class 23) Wear Layer (Nominal): $\geq 0.30\text{mm}$ Thickness (Nominal): $\geq 1.5\text{mm}$ | Passes Requirements (Nominal) |
| | |  | Commercial - Heavy (As HDF Class 33) Wear Layer (Nominal): $\geq 0.30\text{mm}$ Thickness (Nominal): $\geq 2.0\text{mm}$ | Passes Requirements (Nominal) |
| | |  | Light Industrial - Heavy (Class 43) Wear Layer (Nominal): $\geq 0.70\text{mm}$ Thickness (Nominal): $\geq 2.0\text{mm}$ | Passes Requirements (Nominal) |
| Size and Straightness | EN426 |  | Size: $\leq 0.15\%$ from Nominal Straightness: If Size $\leq 400\text{mm}$: $\leq 0.25\text{mm}$ If Size $> 400\text{mm}$: $\leq 0.35\text{mm}$ | Passes Requirements |
| Thickness | EN 428 |  | Average (from Nominal): $+0.13\text{mm} / -0.10\text{mm}$ Any Sample (from Average): $\pm 0.15\text{mm}$ | Passes Requirements |
| Dimensional Stability | EN 434 |  | $\leq 0.15\%$ | Surpasses Requirements |
| Curling | EN 434 | N/A | $\leq 1.2\text{mm}$ | Surpasses Requirements |
| Flexibility | EN 435 |  | No cracks (20mm Mandrel) | Passes Requirements |
| Residual Indentation | EN 433 |  | $\leq 0.1\text{mm}$ | Surpasses Requirements |
| Castor Chair | ISO 4918 |  | After 25,000 cycles: Delamination - None Appearance \leq "Slight Change" | Passes Requirements |
| Colour Fastness to Light | ISO 105-B02, Method 3 |  | \geq Grade 6 | Surpasses Requirements |

EUROPEAN / INTERNATIONAL STANDARDS – CE CERTIFICATION / TESTING



| Description | Standard | Symbol | Requirements | Results |
|---|------------|---|---|---------------------|
| Reaction to Fire (and Smoke Production) | EN 13501-1 |  | Bi - s1 Classification Critical Flux: $\geq 8.0\text{kW/m}^2$ Flame Spread: $\leq 150\text{mm}$ within 20s Smoke value as % x min: ≤ 750 | Passes Requirements |






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EUROPEAN / INTERNATIONAL STANDARDS – CE CERTIFICATION / TESTING (CONTINUED)

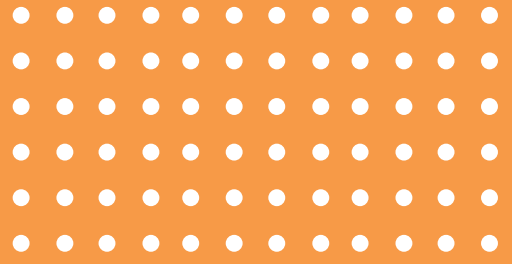
| Description | Standard | Symbol | Requirements | Results |
|-----------------------|----------|---|---|------------------------------------|
| Formaldehyde Emission | EN 717-1 |  | Class E1: Release $\leq 0.124 \text{ mg/m}^3$ | Passes Requirements |
| Slip Resistance (Dry) | EN 13893 |  | Class DS: Coefficient of Friction ≥ 0.30 | Passes / Surpasses Requirements |

EUROPEAN / INTERNATIONAL STANDARDS – AUXILIARY PERFORMANCE & SAFETY

| Description | Standard | Symbol | Requirements | Results |
|---|---|---|--|---|
| Slip Resistance (Wet) | DIN 51130 | N/A | Grade R9: $\geq 3^\circ$ and $< 10^\circ$ | Passes / Surpasses |
| Slip Resistance (Australia / New Zealand) | AS 4586 | N/A | Wet Pendulum (Slider 96) P3: 35-44 SRV Oil-Wet Inclining Platform Grade R9: $\geq 3^\circ$ and $< 10^\circ$ | Passes / Surpasses |
| Chemical Resistance | EN 423 |  | N/A | No effect |
| Thermal Conductivity | EN ISO 22007 |  | N/A | 0.062 W / mK at 20°C |
| Thermal Resistance | EN 12667 |  | N/A | EN 12667 0.081 m ² K / W at 20°C |
| Sound Reduction ¹ | EN ISO 10140-3 ISO 717-2 EN ISO 140-8 | | N/A | $\Delta L_W = 11 \text{ dB}$ $C_{I\Delta} = -6 \text{ dB}$ |
| Micro scratch resistance | ASTM D7027-05e1 | N/A | N/A | MSR A2 |
| Product-Content Safety | REACH SVHC 163 | N/A | N/A | Passes Requirements |

Footnotes

1) **Sound Reduction (EN ISO 10140-3, ISO 717-2, EN ISO 140-8):** ΔL_W = Weighted Reduction of Impact Sound Pressure Level; $C_{I\Delta}$ = Spectrum Adaptation.



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