

TECHNICAL DATA SHEET

1. PRODUCT DESCRIPTION

- 1.1 Format 1207 x 193 x 9,0 mm ¹⁾
- 1.2 Packing 8 boards each pack = 1,864 m²
- 1.3 Build up
- surface layer High Pressure decorative Laminate, HPL. Paper impregnated with melamine- & phenolic resins.
 - substrate High Density Fibreboard, HDF.
 - backing Paper impregnated with plastic.
 - underlay material Alloc Silent System, attached to the reversed side of the board.
- 1.4 Edge sealing Impregnated edges.
- 1.5 Installation Glue-less mechanical locking system, installed floating according to installation description.
- 1.6 Classification According to EN 685 - Class 23: Heavy Domestic use
- Class 34: Very heavy Commercial use
- 1.7 Environmental prog. Forest Stewardship Council (FSC), COC no.: SW-COC-655

2. GENERAL REQUIREMENTS

| Characteristics | Test standard | Units | Requirements | Typical values |
|--|------------------------|----------------------------|--|--|
| 2.1 Thickness of element, t | EN 13329 | mm | $\Delta t_{\text{average}} \leq 0,5$ $t_{\text{max}} - t_{\text{min}} \leq 0,5$ | < 0,20 ¹⁾ < 0,30 |
| 2.2 Length of surface layer, l | EN 13329 | mm | $\Delta l \leq 0,5$ | < 0,20 |
| 2.3 Width of surface layer, w | EN 13329 | mm | $\Delta w_{\text{average}} \leq 0,1$ $w_{\text{max}} - w_{\text{min}} \leq 0,2$ | < 0,05 < 0,10 |
| 2.4 Squareness of element, q | EN 13329 | mm | $q_{\text{max}} \leq 0,2$ | < 0,10 |
| 2.5 Straightness of surface layer, s | EN 13329 | mm | $s_{\text{max}} \leq 0,3$ | < 0,20 |
| 2.6 Flatness of element width f_w and length f_l | EN 13329 | % | $f_{w\text{-concave}} \leq 0,15$ $f_{w\text{-convex}} \leq 0,20$ $f_{l\text{-concave}} \leq 0,50$ $f_{l\text{-convex}} \leq 1,00$ | $\leq 0,10$ $\leq 0,15$ $\leq 0,20$ $\leq 0,20$ |
| 2.7 Openings between elements, o | EN 13329 | mm | $o_{\text{average}} \leq 0,15$ $o_{\text{max}} - o_{\text{min}} \leq 0,20$ | < 0,10 < 0,15 |
| 2.8 Height difference between elements, h | EN 13329 | mm | $h_{\text{average}} \leq 0,10$ $h_{\text{max}} - h_{\text{min}} \leq 0,15$ | $\leq 0,10$ $\leq 0,15$ |
| 2.9 Dimensional variations, after changes in relative humidity | EN 13329 | mm | $\delta l_{\text{average}} = \delta w_{\text{average}} < 0,9$ | < 0,50 |
| 2.10 Light fastness | EN 20105 EN ISO 105 | Grade scale Grade scale | Grey scale : ≥ 4 Blue wool scale: ≥ 6 | > 4 > 6 |
| 2.11 Static indentation | EN 433 | | No visible change | No visible change |
| 2.12 Surface soundness | EN 311 | N/mm ² | $\geq 1,00$ | $\geq 1,80$ |

Definitions: $\Delta t_{\text{average}} = |t_{\text{nominal}} - t_{\text{average}}|$ $\delta l_{\text{average}} = \text{dimensional variations, l}$ ¹⁾ = exclusive underlay material
 $\Delta w_{\text{average}} = |w_{\text{nominal}} - w_{\text{average}}|$ $\delta w_{\text{average}} = \text{dimensional variations, w}$ $\Delta l = |l_{\text{nominal}} - l_{\text{measured}}|$

3. CLASSIFICATION REQUIREMENTS

| Characteristics | Test standard | Units | Requirements | Typical values |
|-----------------------------------|---------------|----------------------|---|---|
| 3.1 Abrasion resistance | EN 13329 | Revolutions | ≥ AC 5: IP ≥ 6.000 | IP ≥ 8.500 |
| 3.2 Impact resistance | EN 13329 | N & mm | > IC 3 | > IC 3 |
| 3.3 Resistance to staining | EN 438.2.15 | Rating ²⁾ | Group 1 & 2: 5 Group 3 : 4 | 5 5 |
| 3.4 Resistance to cigarette burns | EN 438.2.18 | Rating ²⁾ | 4 | 5 |
| 3.5 Effect of furniture leg | EN 424 | | No visible damage when tested with foot type 0 | No visible damage when tested with foot type 0 |
| 3.6 Effect of castor chair | EN 425 | | No damage or visible change in appearance at 25.000 rev. with hard wheels | No damage or visible change in appearance at 25.000 rev. with hard wheels |
| 3.7 Thickness swelling | EN 13329 | % | < 18 | 6 |

²⁾ = Rating scale 1 to 5, where 5 is the best = "No visible change".

4. OTHER TECHNICAL DATA

| Characteristics | Test standard | Units | Requirements | Typical values |
|------------------------------|---------------|-------------------------|--------------------------|---|
| 4.1 Formaldehyde, emission | EN 717-1 | mg/m ³ | E1: < 0,124 | 0,03 |
| 4.2 VOC | ENV 13419-2 | µg/(m ² * h) | - | < 10 (672 h) |
| 4.3 Resistance to scratching | EN 438.2.14 | N | > 3,0 | > 5,0 |
| 4.4 Fire class | EN 13501-1 | Class | - | B _{fl} – s1 |
| 4.5 Thermal resistance | DIN 52612-3 | (m ² * K)/W | - | 0,12 |
| 4.6 Step sound absorption | ISO 717-2 | dB | - | 17 |
| 4.7 Humidity | EN 322 | % | 4–10 ± 1,5 ³⁾ | 6,0 ± 1,0 ³⁾ |
| 4.8 Anti slipping property | EN 13893 | µ | ≥ 0,30 | ≥ 0,50: Slip resistant (DS) |
| 4.9 Anti static properties | EN 1815 | kV Class | < 2,0 - | Antistatic Astatic – class 2 |
| 4.10 Locking strength | ISO 24334 | kN/m | - | f _{0,2} ≥ 4,0 f _{max} ≥ 15,0 |

³⁾ = Max tolerance within one deliverance.