

## TECHNICAL DATA SHEET (Alloc Commercial/Commercial Stone)

### 1. PRODUCT DESCRIPTION

- 1.1 Format 1207 x 193 x 9,0 mm <sup>1)</sup>
- 1.2 Packing 8 boards each pack = 1,864 m<sup>2</sup>
- 1.3 Build up
- surface layer High Pressure decorative Laminate, HPL. Paper impregnated with melamine- & phenol resins.
  - substrate High Density Fibreboard, HDF.
  - backing Spantex (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

### 2. GENERAL REQUIREMENTS

Characteristics	Test standard	Units	Requirements	Typical values
2.1 Thickness of the element, t	EN 13329	mm	$\Delta t_{\text{average}} \leq 0,50$ $t_{\text{max}} - t_{\text{min}} \leq 0,50$	< 0,20 <sup>1)</sup> < 0,30
2.2 Length of the surface layer, l	EN 13329	mm	$\Delta l \leq 0,5$	< 0,20
2.3 Width of the surface layer, w	EN 13329	mm	$\Delta w_{\text{average}} \leq 0,10$ $w_{\text{max}} - w_{\text{min}} \leq 0,20$	< 0,05 < 0,10
2.4 Squareness of the element, q	EN 13329	mm	$q_{\text{max}} \leq 0,20$	< 0,10
2.5 Straightness of the surface layer, s	EN 13329	mm	$s_{\text{max}} \leq 0,30$	< 0,20
2.6 Flatness of the 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	$\delta l_{\text{average}} \leq 0,9$ $\delta w_{\text{average}} \leq 0,9$	< 0,50 < 0,50
2.10 Light fastness	EN 20105 EN ISO 105	Grade scale Grade scale	Grey scale : $\geq 4$ Blue wool scale: $\geq 6$	> 4 > 6
2.11 Static indentation	EN 433		No visible change	No visible change
2.12 Surface soundness	EN 311	N/mm <sup>2</sup>	$\geq 1,00$	$\geq 1,80$

Definitions:  $\Delta t_{\text{average}} = |t_{\text{nominal}} - t_{\text{average}}|$   $\delta l_{\text{average}} =$  dimensional variations, l <sup>1)</sup> = exclusive underlay material  
 $\Delta w_{\text{average}} = |w_{\text{nominal}} - w_{\text{average}}|$   $\delta w_{\text{average}} =$  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 6: IP $\geq$ 8.500	IP $\geq$ 8.500
3.2 Impact resistance	EN 13329	N & mm	IC 4: $\geq$ 20 & 1600	> IC 4
3.3 Resistance to staining	EN 438.2.15	Rating <sup>2)</sup>	Group 1, 2 & 3: 5	5
3.4 Resistance to cigarette burns	EN 438.2.18	Rating <sup>2)</sup>	4	5
3.5 Effect of a 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 a 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	%	$\leq$ 8	$\leq$ 6
3.8 Locking strength	ISO 24334	kN/m	$f_{s0,2} \geq 3,5$	$f_{s0,2} \geq 4,0$ $f_{max} \geq 15,0$
3.9 Dimensional variations and stability after exposure to humid and dry climate conditions	ISO 24339	% mm mm mm	$d_{w \text{ average}}, d_{l \text{ average}} \leq 0,10$ $-0,30 \leq C_{max} \leq 0,40$ $J_{L \text{ max}}, J_{S \text{ max}} \leq 0,10$ $h_{L \text{ max}}, h_{S \text{ max}} \leq 0,15$	$\leq 0,10$ $\leq \text{ABS. } 0,20$ $\leq 0,05$ $\leq 0,10$

<sup>2)</sup> = 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 <sup>3</sup>	E1: < 0,124	< 0,03
4.2 VOC	ENV 13419-2	$\mu\text{g}/(\text{m}^2 \text{ h})$	-	< 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 <sub>fl</sub> – s1
4.5 Thermal resistance	DIN 52612-3	(m <sup>2</sup> K)/W	-	0,12
4.6 Step sound absorption	ISO 717-2	dB	-	19
4.7 Humidity	EN 322	%	4–10 $\pm$ 1,5 <sup>3)</sup>	6,0 $\pm$ 1,0 <sup>3)</sup>
4.8 Anti slipping property	EN 13893	$\mu$	$\geq 0,30$	$\geq 0,50$ : Slip resistant (DS)
4.9 Antistatic properties	EN 1815	kV Class	< 2,0 -	Antistatic Astatic – class 2

<sup>3)</sup> = Max tolerance within one deliverance.

This product is made with MDF in compliance with CARB Phase 2 emission standards in section 93120.2 (a).