



Direct Pressure Laminate, Level of use according to EN 13329: class **23/32 – AC4**

### Dimension

|           |               |                                                                                      |            |           |
|-----------|---------------|--------------------------------------------------------------------------------------|------------|-----------|
| dimension | thickness (d) | $8 \pm 0,50 \text{ mm} \cdot d_{\text{max}} - d_{\text{min}} \leq 0,50 \text{ mm}$   |            |           |
|           | length        | $1285 \pm 0,50 \text{ mm}$                                                           |            |           |
|           | width (b)     | $242 \pm 0,10 \text{ mm} \cdot b_{\text{max}} - b_{\text{min}} \leq 0,20 \text{ mm}$ |            |           |
| profile   | long side     | twin clic                                                                            | short side | twin clic |
| groove    | long side     | v-groove                                                                             | short side | v-groove  |

### Tolerance

|                                    |          |                                                               |
|------------------------------------|----------|---------------------------------------------------------------|
| squareness                         | EN 13329 | $\leq 0,20 \text{ mm}$                                        |
| straightness                       | EN 13329 | $\leq 0,30 \text{ mm}$                                        |
| flatness crosswise                 | EN 13329 | concave: $\leq 0,15\%$ · convex: $\leq 0,20\%$                |
| flatness length                    | EN 13329 | concave: $\leq 0,50\%$ · convex: $\leq 1,00\%$                |
| gaps between elements              | EN 13329 | average: $\leq 0,15 \text{ mm}$ · max: $\leq 0,20 \text{ mm}$ |
| height difference between elements | EN 13329 | average: $\leq 0,10 \text{ mm}$ · max: $\leq 0,15 \text{ mm}$ |
| misalignment                       |          | $\pm 2 \text{ mm}$                                            |

### Test

|                                                           |             |          |                                                          |
|-----------------------------------------------------------|-------------|----------|----------------------------------------------------------|
| abrasion resistance                                       |             | EN 13329 | AC4 (≥ 4000 rpm)                                         |
| impact resistance                                         |             | EN 13329 | small ball ≥ 35 mm · big ball ≥ 750 mm                   |
| stain resistance                                          | group 1 & 2 | EN 13329 | grade 5                                                  |
|                                                           | group 3     |          | ≥ grade 4                                                |
| castor chair test                                         |             | EN 13329 | no change in appearance or damage, as defined per EN 425 |
| effect of a furniture leg                                 |             | EN 13329 | no damage shall be visible, when testet with foot type 0 |
| thickness swelling                                        |             | EN 13329 | ≤ 18%                                                    |
| static indentation                                        |             | EN 13329 | ≤ 0,05 mm                                                |
| light fastness                                            |             | EN 13329 | grey scale ≥ 4 at blue wool grade 6                      |
| dimensional variations after changes in relative humidity |             | EN 13329 | lengthwise ≤ 0,9 mm · crosswise ≤ 0,9 mm                 |
| locking strength                                          |             | EN 13329 | length ≥ 1 kN/m · width ≥ 2 kN/m                         |
| surface soundness                                         |             | EN 13329 | ≥ 1,25 N/mm²                                             |

### Environment

|                          |          |          |
|--------------------------|----------|----------|
| emission of formaldehyde | EN 16516 | class E1 |
|--------------------------|----------|----------|

### Physical behavior

|                      |            |                                          |
|----------------------|------------|------------------------------------------|
| fire behavior        | EN 13501-1 | Cfl s1                                   |
| slide resistance     | EN 13893   | technical class DS                       |
| thermal resistance   | EN 12667   | $0,073 \text{ (m}^2\text{K)/W} \pm 15\%$ |
| thermal conductivity | EN 12664   | $0,110 \text{ W/(m}^*\text{K)} \pm 15\%$ |

The data sheet is updated regularly to meet new technological standards. This version replaces all previous versions as well as those which are undated. This version takes effect upon creation.