

DIMENSIONS

| FORMAT | Fortissimo | |
|---------------------------|------------|----------------|
| Width | 190.5 | mm |
| Length | 1257 | mm |
| Number of panels per pack | 6 | |
| m ² per pack | 1,437 | m ² |
| Bevels | micro 4V | |
| Thickness | 12 | mm |
| Tongue and groove | FitXpress | |

FACTORY WARRANTY

| | METHOD | PARAMETERS | Balterio VALUES | |
|-------------|-----------------|-------------------------|--------------------|-------------------|
| Usage class | EN 13329 | | Class | 21-22-23/31-32-33 |
| CE | EN 14041 | Notified body | NB0766 EPH Dresden | |
| Warranty | Residential use | See warranty conditions | 33 | years |
| | Commercial use | See warranty conditions | 15 | years |

GENERAL DATA (ACCORDING TO EN 13329)

| | METHOD | PARAMETERS | NORM REQUIREMENTS | Balterio VALUES | |
|---|--------------------------------------|-----------------------------|--|-------------------|------|
| Wear resistance | EN 13329 | | ≥ 6000 cycles | ≥ 6000 cycles | |
| Wear class | EN 13329 | | AC5 | AC5 | |
| Impact resistance | EN 13329 | Small ball | ≥ 15N | ≥ 15N | |
| | | Big ball | ≥ 1000mm | ≥ 1000mm | |
| Scratch resistance | EN 438-2, 25 | | Charge ≥ 3N | Charge | ≥ 5N |
| Effect of a castor chair | ISO 4918 (with underlay) | | 25000 cycles | No change | |
| Thickness swelling | ISO 24336 | After 24h immersion at 20°C | ≤ 15% | ≤ 12% | |
| Locking strength | ISO 24334 | F10,2 long side | ≥ 1 kN/m | ≥ 1 | kN/m |
| | | Fmax long side | | ≥ 1 | kN/m |
| | | Fs0,2 short side | ≥ 2 kN/m | ≥ 2 | kN/m |
| | | Fmax short side | | ≥ 2 | kN/m |
| Effect of a furniture leg | EN 424 | | No damage shall be visible, when tested with foot type 0 | No visible damage | |
| Surface soundness | EN 13329 | N/mm ² | ≥ 1,25 | ≥ 1,50 | |
| Static indentation | EN 433 | | residual indentation ≤ 0,05 mm | No visible change | |
| Resistance to staining | EN 438 | Group 1,2 | Class 5 | Class 5 | |
| | | Group 3 | Class 4 | Class 4 | |
| General appearance | EN 13329 | Height differences | ≤ 0,15 mm | ≤ 0,10 mm | |
| | | Opening between joints | ≤ 0,20 mm | ≤ 0,10 mm | |
| | | Cupping in the length | concave ≤ 0,50% | ≤ 0,50% | |
| | | | convex ≤ 1,00% | ≤ 1,00% | |
| | | Cupping in the width | concave ≤ 0,15% | ≤ 0,15% | |
| convex ≤ 0,20% | ≤ 0,20% | | | | |
| Dimensional variations after changes in relative humidity | EN 13329 | δl | δl average ≤ 0,9 mm | ≤ 0,9 mm | |
| | | δw | δw average ≤ 0,9 mm | ≤ 0,9 mm | |
| Light fastness | 2:2006/A1:2009 procedure B - cycle 5 | grey reference | Class ≥ 4 | Class 4 | |



OTHER TECHNICAL DATA

| | METHOD | PARAMETERS | NORM REQUIREMENTS | Balterio VALUES |
|------------------------|-------------|------------------------|-------------------|---|
| Impact sound reduction | ISO 712/2 | On a Balterio underlay | | $\Delta L_w \approx 20$ dB (Depending on used underlay) |
| Burning cigarette | EN 438-2,30 | | Class 4 | Class 5 |

ENVIRONMENT, SAFETY & HEALTH

| | METHOD | PARAMETERS | NORM REQUIREMENTS | Balterio VALUES |
|-----------------------|---------------|------------------------|--------------------------|---------------------|
| Formaldehyde emission | EN 717-1 | ppm | $E1 < 0,1$ | $< 0,01$ |
| Anti-static | EN 1815 | | $\leq 2,0$ kV | $\leq 2,0$ kV |
| Reaction to fire | EN 13501-1 | Class | | Cfl-s1 |
| Thermal resistance | EN 12996:2001 | m^2K/W | | 0.055 m^2K/W |
| Floor heating | | On a Balterio underlay | See special instructions | Suitable |
| Slip resistance | EN 13893 | μ | $\mu \geq 0,30$ | DS: $\mu \geq 0,30$ |

CERTIFICATES

| | |
|-------------|---------------|
| U-zeichen | Z-156.606-996 |
| AFFSET | A+ |
| PEFC | PEFC/07-32-37 |
| M1 | |
| EU Ecolabel | SE/035/001 |

