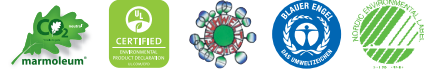


Technical specifications

Marmoleum meets the requirements of EN-ISO 24011
 Marmoleum Acoustic meets the requirements of EN 687
 Marmoleum Decibel meets the requirements of EN 686



| | | Marmoleum 2.0 mm Real/Fresco | Marmoleum 2.5 mm Real/Fresco/Vivace/ Splash/Terra | Marmoleum 3.2 mm Real/Fresco | Marmoleum Decibel | Marmoleum Acoustic | |
|---|--|--|---|---------------------------------|---------------------------|---------------------------|---------------------------|
| | Total thickness | EN-ISO 24346 | 2.0 mm | 2.5 mm | 3.2 mm | 3.5 mm | 4.0 mm |
| | Surface finish | | Topshield pro | Topshield pro | Topshield pro | Topshield pro | Topshield pro |
| | Domestic use | EN-ISO 10874 | Class 23 | Class 23 | Class 23 | Class 23 | Class 23 |
| | Commercial use | EN-ISO 10874 | Class 32 | Class 34 | Class 34 | Class 33 | Class 33 |
| | Light Industrial use | EN-ISO 10874 | Class 41 | Class 43 | Class 43 | Class 41 | Class 41 |
| | Collection size | | 29 | 90 | 8 | 14 | 6 |
| | Roll width | EN-ISO 24341 | 2.0 m | 2.0 m | 2.0 m | 1.95 / 2.0 m | 2.0 m |
| | Roll length | EN-ISO 24341 | ≤ 33 m | ≤ 33 m | ≤ 33 m | ≤ 33 m | ≤ 33 m |
| | Total weight | EN-ISO 23997 | 2300 g/m ² | 2900 g/m ² | 3900 g/m ² | 3100 g/m ² | 4000 g/m ² |
| | Residual indentation | EN-ISO 24343-1 | ≤ 0.15 mm | ≤ 0.15 mm | ≤ 0.15 mm | ≤ 0.30 mm | ≤ 0.40 mm |
| | Typical value | | ~0.07 mm | ~0.08 mm | ~0.10 mm | ~0.20 mm | ~0.25 mm |
| | Castor chair continuous use | ISO 4918 | Pass | Pass | Pass | Pass | Pass |
| | Color fastness to light | EN-ISO 105-B02 method 3 | ≥ 6 | ≥ 6 | ≥ 6 | ≥ 6 | ≥ 6 |
| | Flexibility | EN-ISO 24344 | ø 30 mm | ø 40 mm | ø 50 mm | ø 40 mm | ø 60 mm |
| | Resistance to chemicals | EN-ISO 26987 | Resistant to diluted acids, oils, fats and to the conventional solvents. Not resistant to prolonged exposure to alkalis. | | | | |
| | Bacteriostatic properties* | Marmoleum has natural bacteriostatic properties which are confirmed by independent laboratories, even against the bacteria MRSA. | | | | | |
| | Cigarette resistance | EN 1399 | There is no melting of the surface by cigarettes. Marks left on Marmoleum as a result of stubbed-out cigarettes can be removed. | | | | |
| | Slip resistance (ramp test) | DIN 51130 | R9 | R9 | R9 | R9 | R9 |
| | Acoustical impact noise reduction | EN-ISO 717-2 | - | - | - | 18 dB | 14 dB |
| | Indoor Air Emissions: TVOC at 28 days | EN 16516 | ≤ 0.01 mg/m ³ | ≤ 0.01 mg/m ³ | ≤ 0.01 mg/m ³ | ≤ 0.01 mg/m ³ | ≤ 0.01 mg/m ³ |
| | Marmoleum Ohmex 2.5 mm is available in different colours: | Electrical resistance 1 x 10 ⁶ Ω < R1 < 1 x 10 ⁹ Ω (static dissipative) tested in accordance with EN 1081 | | | | | |
| | Creating better environments | | | | | | |
| | Life Cycle Assessment | LCA is the foundation for securing the lowest environmental impact. | | | | | |
| | CO ₂ neutral | Marmoleum 2.0 mm and 2.5 mm are produced CO ₂ neutral (Cradle to gate)." | | | | | |
| | renewable electricity | Marmoleum is manufactured using 100% electricity from renewable sources. | | | | | |
| | | Marmoleum is made of 94-98% natural materials. | | | | | |
| | natural materials (e.g. linseed oil, jute, tree resin, wood flour, limestone) | Marmoleum contains PEFC certified wood flour. | | | | | |
| | | Marmoleum is free of PVC, PET, synthetic rubber and plasticizers. | | | | | |
| | recycled content | Marmoleum contains recycled content. | | | | | |
| | Application on underfloor heating | | yes | yes | yes | yes | yes |
| Marmoleum meets the requirements of EN 14041:2004 | | | | | | | |
| | Product code | EN 14041 | 0100201-DoP-107 | 0100201-DoP-107 | 0100201-DoP-107 | 0100207-DoP-107 | 0100206-DoP-107 |
| | Reaction to fire | EN 13501-1 | C _s -s1, G, CS | C _s -s1, G, CS*** | C _s -s1, G, CS | C _s -s1, G, CS | C _s -s1, G, CS |
| | Slip resistance | EN 13893 | μ ≥ 0.30 | μ ≥ 0.30 | μ ≥ 0.30 | μ ≥ 0.30 | μ ≥ 0.30 |
| | Body voltage | EN 1815 | ≤ 2.0 kV | ≤ 2.0 kV | ≤ 2.0 kV | ≤ 2.0 kV | ≤ 2.0 kV |
| | Thermal conductivity | EN 12524 | 0.17 W/mK | 0.17 W/mK | 0.17 W/mK | 0.17 W/mK | 0.17 W/mK |

* Marmoleum sheet can be installed nett fit, or with a welding rod in the seam. Both are proven hygienic solutions.
 ** For verification and details please consult our Marmoleum EPD.
 *** Marmoleum 2.5 mm is available in reaction to fire classification B_s-s1, G, CS. Available on request, contact sales support for leadtime.

All Forbo Flooring Systems' sales organisations worldwide have a certified Quality Management System in accordance with ISO 9001.
 All Forbo Flooring Systems' manufacturing operations have a certified Environmental Management System in accordance with ISO 14001.
 The Life Cycle Assessment (LCA) of Forbo Flooring Systems' products is documented in individual Environmental Product Declarations (EPD's) which can be found on all of our websites.

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