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

<table>
<thead>
<tr>
<th>Marmoleum Real/Fresco 2.0 mm</th>
<th>Marmoleum Real/Fresco/Vivace/Splash/Terra 2.5 mm</th>
<th>Marmoleum Real/Fresco 3.2 mm</th>
<th>Marmoleum Decibel</th>
<th>Marmoleum Acoustic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total thickness</td>
<td>EN ISO 24346</td>
<td>2.0 mm</td>
<td>2.5 mm</td>
<td>3.2 mm</td>
</tr>
<tr>
<td>Surface finish</td>
<td>Topshield2</td>
<td>Topshield2</td>
<td>Topshield2</td>
<td>Topshield2</td>
</tr>
<tr>
<td>Domestic use</td>
<td>EN ISO 10874</td>
<td>Class 23</td>
<td>Class 23</td>
<td>Class 23</td>
</tr>
<tr>
<td>Commercial use</td>
<td>EN ISO 10874</td>
<td>Class 32</td>
<td>Class 34</td>
<td>Class 34</td>
</tr>
<tr>
<td>Light Industrial use</td>
<td>EN ISO 10874</td>
<td>Class 41</td>
<td>Class 43</td>
<td>Class 43</td>
</tr>
</tbody>
</table>

Collection size
- 29 colours
- 90 colours
- 8 colours
- 14 colours
- All items available as made to order.

Roll width
- EN ISO 24341
- 2.00 m
- 2.00 m
- 2.00 m
- 1.95 / 2.00 m
- 2.00 m

Roll length
- EN ISO 24341
- ≤ 33 m
- ≤ 33 m
- ≤ 33 m
- ≤ 33 m
- ≤ 33 m

Total weight
- EN ISO 23997
- 2300 g/m²
- 2900 g/m²
- 3900 g/m²
- 3100 g/m²
- 4000 g/m²

Residual indentation
- EN ISO 24343-1
- ≤ 0.15 mm
- ≤ 0.15 mm
- ≤ 0.15 mm
- ≤ 0.30 mm
- ≤ 0.40 mm

Castor chair continuous use
- ISO 4918/EN 425
- Suitable for office chairs with castors

Light fastness
- EN ISO 105-B02

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
- DIN 51130
- R9
- R9
- R9
- R9
- R9

Electrical resistance
- EN 1081
- Marmoleum Ohmex
- Marmoleum is static dissipative.

Acoustical impact sound reduction
- EN ISO 717-2
- ≤ 6 dB
- ≤ 8 dB
- ≤ 10 dB
- ≤ 10 dB
- ≤ 12 dB

Life Cycle Assessment
- LCA is the foundation for securing the lowest environmental impact.

Creating better environments

CO₂ neutral
- Marmoleum 2.0 mm and 2.5 mm are produced CO₂ neutral.**

renewable electricity
- Marmoleum is manufactured using 100% electricity from renewable sources.

natural materials (e.g. linseed oil, jute, tree resin, wood flour, limestone)
- Marmoleum is made of 94-98% natural materials.
- 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

Product code
- EN 14041
- 0100021_DoP_306
- 0100021_DoP_306
- 0100021_DoP_306
- 0100207_DoP_306
- 0100206_DoP_306
- 0100206_DoP_306

Reaction to fire
- EN 13501-1
- C₄-s1, G, CS
- C₄-s1, G, CS
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Slip resistance
- EN 13893
- μ ≥ 0.30
- μ ≥ 0.30
- μ ≥ 0.30
- μ ≥ 0.30
- μ ≥ 0.30

Body voltage
- EN 1815
- ≤ 2 kV
- ≤ 2 kV
- ≤ 2 kV
- ≤ 2 kV
- ≤ 2 kV

Thermal conductivity
- EN 12524
- 0.17 W/m·K
- 0.17 W/m·K
- 0.17 W/m·K
- 0.17 W/m·K
- 0.17 W/m·K

Indoor Air Emissions: TVOC at 28 days
- EN 16516
- < 0.05 mg/m³
- < 0.05 mg/m³
- < 0.05 mg/m³
- < 0.05 mg/m³
- < 0.05 mg/m³

Content of specific dangerous substances
- EN 14041
- Compliant, not actively added.
- Compliant, not actively added.
- Compliant, not actively added.
- Compliant, not actively added.
- Compliant, not actively added.

* 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 Bfl-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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