

Ember

Recycled Carpet Underlay

6
mm

Product Datasheet
April 2025



Specifications

Core	Recycled IKEA foam mattresses
Top surface	Printed white non-woven fleece
Bottom surface	White non-woven fleece
Nominal thickness	6 mm
Nominal roll weight	16 Kg
Roll length	11 m
Roll width	1.37 m
Density	180 Kg/m ³
Installation method	Double stick and stretch fit
Suitable for under floor heating	Yes

Performance rating

End use classification	BS EN 14499:2015	HC/U Heavy contract use
Work of compression after 1000 impacts	BS EN 14499:2015	>150 j/m ²
Retention of work of compression	BS 4098:1975	>80 %
Loss in thickness after static loading	ISO 3416	2.26% after 1 hour 4.8% after 24 hours
Loss in thickness after dynamic loading	ISO 2094:1999	3.2%
Resistance to cracking	EN 14499:2015	Pass/No cracking

Flammability

Fire class	EN 13501	Efl-s1
Hot metal nut test	BS 4790	Low radius of effects of ignition

Thermal performance

Thermal resistance R value	ISO 8302:1991 EN 12667:2001	0.144 m ² .K/W
Tog		1.44

Acoustic values

Impact sound improvement	BS EN ISO 10140-3:2010	33 dB
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Recommended adhesives

Barefoot Ember underlay has been tested with the following adhesives for double stick installations. Other adhesives may also be compatible but we strongly recommend testing before installation.

- F.Ball Styccobond F3
- Bostik A520
- UZIN KE 2428 NEW

DISCLAIMER

The information provided in this datasheet is intended for general guidance only. While we strive for accuracy and the data reflects typical results from rigorous laboratory testing, actual performance may vary depending on specific applications and conditions. As we have no control over the end use of our products, we cannot guarantee the same results in all circumstances. We strongly recommend that users carry out their own testing to ensure the material's suitability for their particular use.

Email. contact@barefootunderlay.com www.barefootunderlay.com

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