

Technical Datasheet

BACKER-*Lite*[®]

Reference	Backer-Lite
Application	Uncoupling mat for tiled flooring
Dimensions	Roll length: 5m - 10m - 30m ± 2 % Roll width: 1000 mm ± 2 % Thickness: 3.9 mm ± 0.5 % Weight: 0.6 kg/m ² Roll size options: 54sqft (5m ²) 108sqft (10m ²) 323sqft (30m ²)
Material	Thermoplastic
Installation temperature	5° to 35° C, but limited by tile adhesive specification
Storage temperature	max. 45° C (store a maximum of 2 pallets on top of each other)
Melting	120° C
Steam resistance	160 m equivalent air layer
Air gap volume	1.6 litre/m ²
Filling volume of the cavities	1.2 litre/m ²
Distance of the cavities	ca. 21 mm ± 10 %
Tensile strength (mean)	Dry storage: 0.2 N/mm ² Water storage: 0.2 N/mm ² Temperature storage: 0.2 N/mm ² Freeze-thaw storage: 0.2 N/mm ²
Crack bridging - exceeds ANSI 118.12 5.4	Gap opening of 1/8" without tile failure
Point load - exceeds ANSI A118.12 5.2	1886.33 lbf average point load
Deflection Performance - ASTM C627 (Robinson)	16" oc wood substrate - rating extra heavy commercial 19.2" oc wood substrate - rating extra heavy commercial 24" oc wood substrate - rating heavy concrete slab - rating extra heavy commercial
Max. deflection (Fre width 660 mm)	Concave: 13.9 mm (load 11.5 kN) Convex: 2.5 mm (load 2.1 kN)
Results of the dynamic load (Fre width 660 mm)	400.000 Cycles at 1.8 mm without damage
Underfloor heating	approved for use with floor warming systems
Waterproof - exceeds ANSI A118.10	yes - meets and exceeds ANSI A118.10
Illustrations	

Please note: For technical reasons, tolerances in color effects of the materials and print are possible. All information is based on the best of our knowledge and belief. No guarantee can be derived from this. We reserve the right to any technical changes if they are in the interest of progress or if they are production-related.