

# Underlay Technical Specification

Item Code: TAENERGY2

Issue Date: 29/11/2013

Issue No. 9

## Sponge Rubber Textured Flat

**Suitable for the stretch-fit installation of carpets**

**End Use Classification (BS 5808: 1991): GD/U, General Domestic Use**



### Standard Specifications

Nominal thickness <sup>†</sup>	7.00 mm (0.276")
Nominal Density	368kg/m <sup>3</sup> (22.97bs/ft <sup>3</sup> )
Nominal square weight <sup>†</sup>	2576 g/m <sup>2</sup> (76 oz/yd <sup>2</sup> )
Nominal roll weight <sup>†</sup>	38.82 kg (86 lb)
Roll area*	15.07m <sup>2</sup> (1.33m x 11.33m); 18.02yd <sup>2</sup> (53.94' x 433.07")
Colour / backing	Red / printed Textron <sup>®</sup> backing
Packaging	Grey film / red print

### BS 5808: 1991

End Use Classification	GD/U, General Domestic Use	
Nominal thickness <sup>†</sup>	7.00 mm (0.276")	BS 4051
Work of compression Minimum 50 J/m <sup>2</sup>	118 J/m <sup>2</sup>	BS 4098 & BS 4052
Retention of work of compression (min 40%)	70 %	BS 4098 & BS 4052
Compression after dynamic loading	4.1 mm	BS 4098 & BS 4052
Loss in thickness after dynamic loading (max 15%)	4.8 %	BS 4052
Loss in thickness after static loading (max 15%)	9.3 %	BS 4939
Resistance to cracking (not greater than 50mm)	Pass	BS 5808

### Test Performance to US Standards

CFD (Compression Force Deflection)	2.0 PSI @ 25% deflection.	ASTM D3676-13 Method: 601/12151
CFD (Compression Force Deflection)	4.5 PSI @ 50% deflection.	ASTM D3676-13 Method: 601/12151
CFD (Compression Force Deflection)	11.2 PSI @ 65% deflection.	ASTM D3676-13 Method: 601/12151

Recommended Use	Extra Heavy Traffic Class III	US Carpet Cushion Council GOST 12.1.044-89 (item 4.20)
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### Certification



### Guarantee

Guaranteed for the serviceable lifetime of the carpet when used in accordance with the End Use Classification.

### Notes

- \* The nominal roll dimensions have been quoted. These may vary slightly, but will still equate to the area quoted. This does not constitute a manufacturing specification. It details important performance and physical characteristics only.
- † ±5%
- ‡ Value derived from similar product test results

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## Flammability

Hot metal nut test	Low radius of effects of ignition	BS 4790 & BS 5287
US Methenamine Pill Test	Pass	Pill Test DOC-FF 1-70
US Smoke Chamber Test	Pass	ASTM E662
US Critical radiant flux NFPA	Class I	NFPA 253 / ASTM E648-03
Russian GOST FR Test	Classification KM5	GOST 30244-94, GOST 30402-96 GOST 51032-97, GOST 12.1.044-89 (item 4.18),

## Other Specifications

Odour	No objectionable odour	
Antimicrobial and mildew resistant	Yes	
R value (SI Unit)	0.101	
R Value (USA Unit)	0.57	
Thermal resistance	1.01 togs	BS 4745
Impact sound reduction (Delta Lw)	30dB	BSEN ISO 140-8: 1998 and BSEN ISO 717-2: 1997
Emissions (US Carpet & Rug Institute)	Meets low VOC emission criteria	Certified GLP051 Cat CC2 PU US CRI Green Label Plus Programme

## GREEN CREDENTIALS

Green Features	Description	LEED Programme
Recyclable	At the end of the underlays useful life it can be 100% recycled	MR 2.0: Points Available It can be recycled
Recycled Content	Contains not less than 3% pre-consumer recycled material	MR 4.0: Points Available Recycled Content
Indoor Air Quality	Meets or exceeds the industry standard for indoor air quality as established by the CRI Green Label Plus Programme	IEQ 4.3: Points Available Product is Green Plus Label Certified
Regional Materials	Production Facility Haslingden B4 4LS, UK Where used within 500 miles of Production Facility	MR 5.0: Points Available

LEED points must be considered along with other building components and must be determined by the specifier/architect or LEED accredited professional

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