

Underlay Technical Specification

Item Code: TADYNAMICS2

Issue Date: 02/12/2016

Issue No. 10

Sponge Rubber Textured Flat

Suitable for the stretch-fit installation of carpets

End Use Classification (BS 5808: 1991): L/U, Luxury Use

Outline Specifications

Nominal thickness [†]	9.4mm (0.37")
Nominal square weight [†]	3458 g/m ² (102 oz/yd ²)
Nominal Density	368kg/m ³ (22.97lbs/ft ³)
Nominal roll weight [†]	37.9 kg (84 lbs)
Roll area*	10.96m ² (1.33m x 8.24m) ; 13.11 yd ² (53.94" x 314.96")
Colour / backing	Forest green / printed Textron® backing
Packaging	Green film / silver print

BS 5808: 1991

End Use Classification	L/U, Luxury Use	
Nominal thickness [†]	9.4mm (0.37")	BS 4051
Work of compression Minimum 50 J/m ²	138 J/m ²	BS 4098 & BS 4052
Retention of work of compression (min 40%)	75 %	BS 4098 & BS 4052
Compression after dynamic loading	4.5 mm	BS 4098 & BS 4052
Loss in thickness after dynamic loading (max 15%)	4.5 %	BS 4052
Loss in thickness after static loading (max 15%)	7.8 %	BS 4939
Breaking strength (length/width) min. 40N	182N / 126N	BS 2576
Extension under force (length/width) max. 10% @ 40N	2.2% / 1.0%	
Resistance to cracking (not greater than 50mm)	Pass	BS 5808

Test Performance to US Standards

CFD (Compression Force Deflection)	1.5 PSI @ 25% deflection.	ASTM D3676-13 Method: 601/12151
CFD (Compression Force Deflection)	3.0 PSI @ 50% deflection.	ASTM D3676-13 Method: 601/12151
CFD (Compression Force Deflection)	6.4 PSI @ 65% deflection.	ASTM D3676-13 Method: 601/12151
Recommended Use	Heavy Class II	US Carpet Cushion Council



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 1	NFPA 253 / ASTM E648-03
Russian GOST FR Test	Classification KM3	GOST 30244-94, GOST 30402-96, GOST 51032-97, GOST 12.1.044-89 (item 4.18), GOST 12.1.044-89 (item 4.20)

Other Specifications

Odour	No objectionable odour	
Antimicrobial and mildew resistant	Yes	
R value (SI Unit)	0.13	
R Value (USA Unit)	0.74	
Thermal resistance	1.3 togs	BS 4745
Impact sound reduction (Delta Lw)	35 dB †	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 Programme	IEQ 4.3: Points Available Product is Green Label Plus 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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