

**Underlay Technical Specification**

Item Code: TADYNAMICS2

Issue Date: 02/07/2021

Issue No. 10

**Sponge Rubber Textured Flat**

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

**End Use Classification (BS 5808: 1991 / BS EN 14499 : 2015): L/U, Luxury Use**



**Outline Specification\*s**

Nominal thickness	9.4mm (0.37")	ISO 1765
Nominal square weight	3458 g/m <sup>2</sup> (102 oz/yd <sup>2</sup> )	
Nominal density	368kg/m <sup>3</sup> (22.97lbs/ft <sup>3</sup> )	
Nominal roll weight	37.9 kg (84 lbs)	
Nominal roll area	10.96m <sup>2</sup> (1.33m x 8.24m) ; 13.11 yd <sup>2</sup> (53.94" x 314.96")	

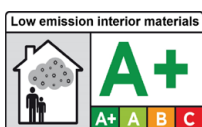
**BS 5808: 1991 / EN14499 : 2015**

End Use Classification	L/U, Luxury Use	
Work of compression (Min. 50 J/m <sup>2</sup> Max. 200 J/m <sup>2</sup> )	138 J/m <sup>2</sup>	BS 4098 & ISO 2094
Retention of work of compression (min 40%)	75 %	BS 4098 & ISO 2094
Compression after dynamic loading	4.5 mm	BS 4098 & ISO 2094
Loss in thickness after dynamic loading (max 15%)	4.5 %	BS 4052 & ISO 2094
Loss in thickness after static loading (max 15%)	7.8 %	ISO 3415/3416 & BS 4939
Breaking strength (length/width) min. 30N	182N / 126N	EN ISO 13394 BS 2576
Extension under force (length/width) max. 15%@ 30N	2.2% / 1.0%	
Resistance to cracking (not greater than 50mm)	Pass	EN 14499 & 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**

**THIS PRODUCT IS PRODUCED IN A FACILITY ACCREDITED TO ISO 9001, 14001 & 45001**

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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 KM5	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

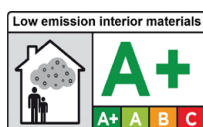
Odour	No objectionable odour	
Antimicrobial and mildew resistant	Yes	
R value (SI Unit)	0.13	
R Value (USA Unit)	0.74	
Colour / backing	Forest green / printed Textron® backing	
Packaging	Green film / black print	
Thermal resistance	1.3 togs	BS 4745
Impact sound reduction (Delta Lw)	35 dB †	BSEN ISO 140-8: 1998 and BSEN ISO 717-2: 1997
Emissions (US Carpet & Rug Institute)	Meets low VOC emission criteria Certified GLP051 Cat CC10 Ruber	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 BB4 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

### 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 comply with the requirements of BS EN 14499:2015
- † Value derived from similar product test results

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