

Underlay Technical Specification

Item Code: TADEF3

Issue Date: 25/7/2016

Issue No. 15

Sponge Rubber Textured Flat

Suitable for underfloor heating

Suitable for the stretch-fit installation of carpets

End Use Classification (BS 5808: 1991): HC/U, Heavy Contract Use



Outline Specification

Nominal thickness†	6.10mm (0.24")
Nominal square weigh†	3017 g/m ² (89 oz/yd ²)
Nominal Density	495kg/m ³ (30.9bs/ft ³)
Nominal roll weight†	45.5 kg (100 lbs)
Roll area*	15.07m ² (1.33m x 11.33m); 18.2 oz/yd ² (52.4" x 37.2')
Colour / backing	Green / printed Textron® backing
Packaging	White film / purple print

Test Performance to BS 5808: 1991

End Use Classification	HC/U, Heavy Contract Use	
Nominal thickness†	6.10mm (0.24")	BS 4051
Work of compression Minimum 50 J/m ²	140 J/m	BS 4908 & BS 4052
Retention of work of compression (min 40%)	85 %	BS 4908 & BS 4052
Loss in thickness after dynamic loading (max 15%)	3.5 %	BS 4052
Loss in thickness after static loading (max 15%)	4.5 %	BS 3939
Breaking strength (length/width) min. 40N	182N / 126N	BS 2576
Extension under force (length/width) max. 10% @ 40N	2.2% / 1.0%	BS 2576
Resistance to cracking (not greater than 50mm)	Pass	BS 5808

Test Performance to US Standards

CLD (Compression Load Deflection)	4.9 PSI @ 25% deflection. Method: 601/12151	ASTM D3676-13
CLD (Compression Load Deflection)	13.7 PSI @ 50% deflection. Method: 601/12151	ASTM D3676-13
CLD (Compression Load Deflection)	32.2 PSI @ 65% deflection. Method: 601/12151	ASTM D3676-13
Recommended Use	Extra Heavy Commercial Class III	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 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
Reaction to fire classification (Tested in conjunction with Axminster 1028 carpet)	Cfl-s1	Tested to ENISO9239-1 & 11925-2, rated to EN13501-1
China National FR Test (at China National Test Centre)	Bf1 – s1,t1	GB/T8628-2007, GB/T11785-2005, GB/T20285-2006
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 Properties and Test Performance

Odour	No objectionable odour	
Emissions (US Carpet & Rug Institute)	Meets low VOC emission criteria	US CRI Green Label Certified GLP051 Cat CC2 PU Plus Programme
Antimicrobial and mildew resistant	Pass	ASTM G21
Thermal resistance (European Units)	0.80 togs	BS 4745
R value (SI Unit)	0.08	
R Value (USA Unit)	0.45	
Impact sound reduction (Delta Lw)	31dB	BS EN ISO 10140-3:2010

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 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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