

Underlay Technical Specification

Item Code: TADEF3

Issue Date: 06/01/2021

Issue No. 15

Sponge Rubber Textured Flat

Suitable for the stretch-fit installation of carpets

Suitable for underfloor heating. We do not recommend an underlay is used with an electric mat (or dry) underfloor heating system

End Use Classification (BS 5808: 1991 / BS EN 14499 : 2015): HC/U, Heavy Contract Use



Outline Specification*

Nominal thickness	6.10mm (0.24")	
Nominal square weight	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)	
Nominal roll area	15.07m ² (1.33m x 11.33m); 18.2 oz/yd ² (52.4" x 37.2')	
Nominal thickness	6.10mm (0.24")	ISO 1765

Test Performance to BS 5808: 1991 / EN14499 : 2015

End Use Classification	HC/U, Heavy Contract Use	
Work of compression Minimum 50 J/m ²	140 J/m	BS 4908 & BS 4052 & ISO 2094
Retention of work of compression (min 40%)	85 %	BS 4908 & BS 4052 & ISO 2094
Loss in thickness after dynamic loading (max 15%)	3.5 %	BS 4052 & ISO 2094
Loss in thickness after static loading (max 15%)	4.5 %	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%	EN ISO 13394 BS 2576
Resistance to cracking (not greater than 50mm)	Pass	EN 14499 & 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 comply with the requirements of BS EN 14499:2015
- ‡ Value derived from similar product test results

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

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Issue Date: 22/07/2021

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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)	Bfl-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

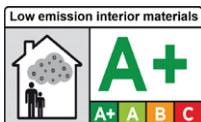
Odour	No objectionable odour	
Emissions (US Carpet & Rug Institute)	Meets low VOC emission criteria	US CRI Green Label Certified GLP051 Cat CC10 Rubber Plus Programme
Antimicrobial and mildew resistant	Pass	ASTM G21
Colour / backing	Green / printed Textron® backing	
Packaging	White film / purple print	
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
Impact Insulation Class (IIC)	59	ASTM E989-06

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 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

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