

## 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 <sup>2</sup> (89 oz/yd <sup>2</sup> )	
Nominal density	495kg/m <sup>3</sup> (30.9bs/ft <sup>3</sup> )	
Nominal roll weight	45.5 kg (100 lbs)	
Nominal roll area	15.07m <sup>2</sup> (1.33m x 11.33m); 18.2 oz/yd <sup>2</sup> (52.4" x 37.2')	
Nominal thickness	6.10mm (0.24")	ISO 1765

#### Test Performance to BS 5808: 1991 / EN14499 : 2015

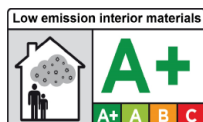
End Use Classification	HC/U, Heavy Contract Use	
Work of compression Minimum 50 J/m <sup>2</sup>	140 J/m	BS 4908 & BS 4052 & ISO 2094
Retention of work of compression (min 40%)	85 %	BS 4908 & BS 4052 & ISO 2094
Loss in thickness after dynamic loading (max 15%)	3.5 %	BS 4052 & ISO 2094
Loss in thickness 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

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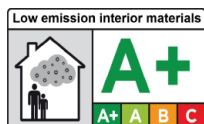
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### Flammability

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

### 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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