



Underlay Technical Specification

Item Code: TATECH6

Issue Date: 24/03/2017

Issue No. 11

Sponge Rubber (Flat).

Suitable for underfloor heating. Suitable for flame retardant applications.

Suitable for the double-stick and stretch-fit installation of carpets.

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



Outline Specification

Nominal thickness [†]	6.00 mm (0.236")
Nominal square weight [†]	3153 g/m ² (93.0 oz/sq.yd.)
Nominal Density	525.45 kg/m ³ (32.8 lbs/cu.ft)
Nominal roll weight [†]	47.5 kg (104.5 lbs)
Roll area*	15.07 m ² (1.37m x 11.0m); 18.02 sq.yd (53.9" x 36' 1.1".)
Colour / backing	Black / Printed Textron [®] backing
Packaging	Red film / white print

Test Performance to BS 5808: 1991 / EN14499

End Use Classification	HC/U, Heavy Contract Use	
Nominal thickness [†]	6.00 mm (0.236")	BS 4051
Work of compression Minimum 50 J/m ²	119 J/m ²	BS 4908 & BS 4052
Retention of work of compression (min 40%)	86 %	BS 4908 & BS 4052
Compression after dynamic loading	3.0 mm	BS 4908 & BS 4052
Loss in thickness after dynamic loading (max 15%)	3.80 %	BS 4052
Loss in thickness after static loading (max 15%)	4.20 %	BS 4939
Breaking strength (length/width) min. 30N	282N / 162N	BSEN13934
Extension under force (length/width) max. 15%@ 30N	0.8% / 0.5%	BSEN13934
Resistance to cracking (not greater than 50 mm)	Pass	BS 5808

Test Performance to US Standards

CFD (Compression Force Deflection)	5.0 PSI @ 25% deflection. Method: 601/12151	ASTM D3676-13
CFD (Compression Force Deflection)	14.7 PSI @ 50% deflection. Method: 601/12151	ASTM D3676-13
CFD (Compression Force Deflection)	53.1 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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Certification



Guarantee

Guaranteed for the serviceable lifetime of the carpet when used in accordance with the End Use Classification.

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/NFPA 258
US Critical radiant flux NFPA	Class I	NFPA 253 / ASTM E648-03
Reaction to fire classification (Tested in conjunction with Axminster 80:20 carpet)	Bfl-s1	Tested to ENISO9239-1 & 11925-2, rated to EN13501-1
Allgemeine bauaufsichtliche Zulassung (AbZ)	Zulassungsnummer: Z-158.10-146 vom 2.03.15	
China National FR Test (at China National Test Centre)	C – s1,t0	GB/T8626-2007, GB/T11785-2005, GB/T20285-2006
Russian GOST FR Test	Classification KM3	Cert. No. 0007622

Other Properties and Test Performance

Odour	No objectionable odour	
Emissions	Accreditation #0754	US CRI Green Label Plus Programme
French VOC Emission Regulations	Complies A+	Decree DEVL1101903D/ Amended DEVL1104875A
Antimicrobial and mildew resistant	Pass	ASTM G21
Thermal resistance (European Units)	0.66 togs	BS 4745
R value (SI Unit)	0.066 (W/M.K)	
R Value (USA Unit)	0.3748 Btu/(hr·ftF)	
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 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

Recycled Content

Post Consumer	0%
Pre Consumer	3%
Virgin	97%

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- † ±5%
- ‡ Value derived from similar product test results