Underlay Technical Specification

Item Code: TATECH5

Issue Date: 22/03/2019
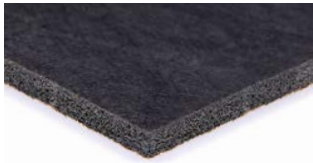
Issue No. 14

Sponge Rubber (Flat).
Suitable for underfloor heating. Suitable for flame retardant applications.
Suitable for the double-stick and stretch-fit installation of carpets and floating wood and laminate installations.
End Use Classification (BS 5808: 1991 / BS EN 14499 : 2015): HC/U, Heavy Contract Use.

Outline Specification

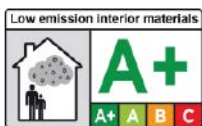|		
Nominal thickness	5.00 mm (0.207")	ISO 1765
Nominal square weight	2712 g/m² (80.0 oz/sq.yd.)	
Nominal density	542.40 kg/m³ (33.8 lbs/cu.ft)	
Nominal roll weight	40.9 kg (90.0 lbs)	
Nominal roll area	15.07 m² (1.37m x 11.0m); 18.02 sq.yd (53.9" x 36' 1.1".)	

Test Performance to BS 5808: 1991 / EN14499 : 2015

End Use Classification	HC/U, Heavy Contract Use	
Work of compression Minimum 50 J/m²	96 J/m²	BS 4908 & BS 4052 & ISO 2094
Retention of work of compression (min 40%)	89 %	BS 4908 & BS 4052 & ISO 2094
Compression after dynamic loading	2.2 mm	BS 4908 & BS 4052 & ISO 2094
Loss in thickness after dynamic loading (max 15%)	3.50 %	BS 4052 & ISO 2094
Loss in thickness after static loading (max 15%)	4.00 %	ISO 3415/3416 & BS 4939
Breaking strength (length/width) min. 30N	282N / 162N	EN ISO 13394 BS 2576
Extension under force (length/width) max. 15%@ 30N	0.8% / 0.5%	EN ISO 13394 BS 2576
Resistance to cracking (not greater than 50 mm)	Pass	EN 14499 & BS 5808

Test Performance to US Standards

CFD (Compression Force Deflection)	5.6 PSI @ 25% deflection. Method: 601/12151	ASTM D3676-13
CFD (Compression Force Deflection)	20.9 PSI @ 50% deflection. Method: 601/12151	ASTM D3676-13
CFD (Compression Force Deflection)	81.6 PSI @ 65% deflection. Method: 601/12151	ASTM D3676-13
Recommended Use	Extra Heavy Commercial Class III	US Carpet Cushion Council

Certification

CRI GREEN LABEL +PLUS carpet-rug.org

CTP

Low emission interior materials A+ (A+ A B C)

Guarantee

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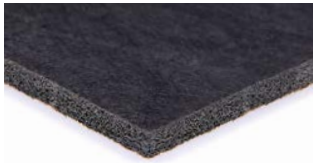
Notes

* 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
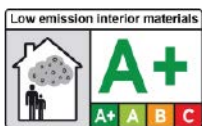
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Flammability

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	
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
Colour / backing	Black / Printed Textron® backing	
Packaging	White film / red print	
Thermal resistance (European Units)	0.56 togs	BS 4745
R value (SI Unit)	0.056 (W/M.K)	
R Value (USA Unit)	0.3180 Btu/(hr·ftF)	
Impact sound reduction (Delta Lw)	28dB	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%

Certification

Guarantee

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