Duralay
Underlay Experts Since 1952

TECHNICS 5

Technics System

Underlay Technical Specification

Item Code: TATECH5

Issue Date: 26/05/2021

Issue No. 14

Sponge Rubber (Flat)

Suitable for flame retardant applications

Suitable for the double-stick and stretch-fit installation of carpets and floating wood and laminate installations

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	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

TP

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

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

interfloor

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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
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) R value (SI Unit) R Value (USA Unit)	0.56 togs 0.056 (W/M.K) 0.3180 Btu/(hr·ftF)	BS 4745
Impact sound reduction (Delta Lw)	29dB	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 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

Recycled Content

Post Consumer	0%
Pre Consumer	3%
Virgin	97%

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