

Underlay Technical Specification

Item Code: TAFR7

Issue Date: 13/08/2024

Issue No. 2

Polyurethane Rebond

Suitable for flame retardant applications

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

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

Standard Specifications*

Nominal density	145 kg/m ³	
Nominal square weight	1015 g/m ² (30 oz/yd ²)	
Nominal roll weight	15.30 kg (33.7 lbs)	
Nominal roll area	15.07m ² (1.37m x 11.00m)	
Nominal thickness	7.00mm (0.28")	ISO 1765

BS 5808: 1991 / EN14499 : 2015

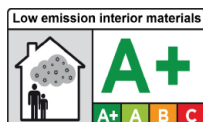
End Use Classification	HC/U, Heavy Contract Use	
Work of compression (Min. 50 J/m ² Max. 200 J/m ²)	>140 J/m ²	BS 4098 & ISO 2094
Retention of work of compression (min 40%)	>90 %	BS 4098 & ISO 2094
Loss in thickness after dynamic loading (max 15%)	<5 %	BS 4052 & ISO 2094
Loss in thickness after static loading (max 15%)	<5 %	ISO 3415/3416 & BS 4939
Resistance to cracking (not greater than 50mm)	Pass	EN 14499 & BS 5808
Hot metal nut test (tested in Interfloor laboratory)	Pass	BS 4790 & BS 5287
Breaking strength (length/width) min. 30N	>90N / >50N	EN ISO 13394 BS 2576
Extension under force (length/width) max. 15% @ 30N	<10% / <10%	EN ISO 13394 BS 2576

Flammability

Hot metal nut test	Low radius of effects of ignition	BS 4790 & BS 5287
Critical radiant flux	Category 1 (0.53W/cm ²)	ASTM E648 / NFPA253
Reaction to fire classification	Bfl-s1	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



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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Test Performance to US Standards

CFD (Compression Force Deflection)	0.9 PSI @ 25% deflection. Method: 601/12151	ASTM D3676-13
CFD (Compression Force Deflection)	3.1 PSI @ 50% deflection. Method: 601/12151	ASTM D3676-13
CLD (Compression Force Deflection)	6.3 PSI @ 65% deflection. Method: 601/12151	ASTM D3676-13
Recommended Use	Moderate Traffic Class I	US Carpet Cushion Council

Other Specifications

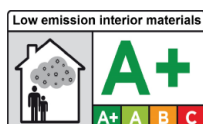
Odour	No objectionable odour	
Colour / backing	Yellow polyethylene / polyethylene with reinforcing mesh	
Packaging	Yellow film / black print	
Thermal resistance	1.99 togs †	BS 4745
Impact sound reduction (Delta Lw)	34 dB	BSEN ISO 140-8: 1998 and BSEN ISO 717-2: 1997
Emissions (US Carpet & Rug Institute)	Meets low VOC emission criteria Certified GLP051 Cat CC2 PU	US CRI Green Label Plus Programme

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 95% 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

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