

Underlay Technical Specification

Item Code: TAFR7

Issue Date: 4/7/2016

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): 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)
Roll area*	15.07m ² (1.37m x 11.00m)

BS 5808: 1991

End Use Classification	HC/U, Heavy Contract Use	
Nominal thickness [†]	7.00mm (0.28")	BS 4051
Work of compression Minimum 50 J/m ²	>140 J/m ²	BS 4098 & BS 4052
Retention of work of compression (min 40%)	>90 %	BS 4098 & BS 4052
Loss in thickness after dynamic loading (max 15%)	<5 %	BS 4052
Loss in thickness after static loading (max 15%)	<5 %	BS 4939
Resistance to cracking (not greater than 50mm)	Pass	BS 5808
Hot metal nut test (tested in Interfloor laboratory)	Pass	BS 4790 & BS 5287
Breaking strength (length/width) min. 40N	>90N / >50N	BS 2576
Extension under force (length/width) max. 10% @ 40N	<10% / <10%	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
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)

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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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 scrim	
Packaging	Yellow film / black print	
Thermal resistance	1.99 togs †	BS 4745
Impact sound reduction (Delta Lw)	35 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 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

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