

## Underlay Technical Specification

Item Code: TAFR7

Issue Date: 27/05/2021

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

#### BS 5808: 1991 / EN14499 : 2015

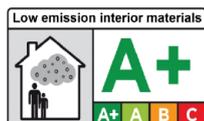
End Use Classification	HC/U, Heavy Contract Use	
Work of compression (Min. 50 J/m <sup>2</sup> Max. 200 J/m <sup>2</sup> )	>140 J/m <sup>2</sup>	BS 4098 & ISO 2094
Retention of work of compression (min 40%)	>90 %	BS 4098 & ISO 2094
Loss in thickness after dynamic loading (max 15%)	<5 %	BS 4052 & ISO 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 <sup>2</sup> )	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 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

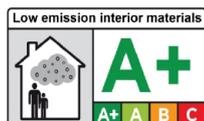
Odour	No objectionable odour	
Colour / backing	Yellow polyethylene / polyethylene with reinforcing mesh	
Packaging	Yellow film / black print	
Thermal resistance	1.99 togs †	BS 4745
Impact sound reduction (Delta Lw)	34 dB	BSEN ISO 140-8: 1998 and BSEN ISO 717-2: 1997
Emissions (US Carpet & Rug Institute)	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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