

## Underlay Technical Specification

Item Code: TADURA650

Issue Date: 30/05/2019

Issue No. 9



### Crumb Rubber (Reinforced).

Suitable for the double-stick and stretch-fit installation of carpets and natural floor coverings including use with underfloor heating.

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

#### Outline Specification\*

Nominal thickness	6.50 mm (0.256")	ISO 1765
Nominal square weight <sup>t</sup>	2700 g/m <sup>2</sup> (80 oz/sq.yd.)	
Nominal density	415k g/m <sup>3</sup> (26.1 lbs/cu.ft)	
Nominal roll weight	40.08 kg (90 lbs)	
Nominal roll area	15.07m <sup>2</sup> (1.37m x 11.0m); 18.02 sq.yd (53.9" x 36' 1.1".)	

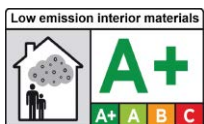
#### Test Performance to BS 5808: 1991 / EN14499 : 2015

End Use Classification	HC/U, Heavy Contract Use	
Work of compression Minimum 50 J/m <sup>2</sup>	86 J/m <sup>2</sup>	BS 4908 & BS 4052 & ISO 2094
Retention of work of compression (min 40%)	91.5 %	BS 4908 & BS 4052 & ISO 2094
Compression after dynamic loading	2.1 mm	BS 4908 & BS 4052 & ISO 2094
Loss in thickness after dynamic loading (max 15%)	4.3 %	BS 4052 & ISO 2094
Loss in thickness after static loading (max 15%)	8.7 %	ISO 3415/3416 & BS 4939
Breaking strength (length/width) min. 30N	744N / 325N	EN ISO 13394 BS 2576
Extension under force (length/width) max. 15% @ 30N	2.1% / 0.9%	EN ISO 13394 BS 2576
Resistance to cracking (not greater than 50mm)	Pass	EN 14499 & BS 5808

#### Test Performance to US Standards

CFD (Compression Force Deflection)	6.2 PSI @ 25% deflection. Method: 601/12151	ASTM D3676-13
CFD (Compression Force Deflection)	42.7 PSI @ 50% deflection. Method: 601/12151	ASTM D3676-13
CFD (Compression Force Deflection)	186.8 PSI @ 65% deflection. Method: 601/12151	ASTM D3676-13
Recommended Use	Extra Heavy Commercial Class III	US Carpet Cushion Council

#### 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

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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 Critical radiant flux NFPA	Class I	NFPA 253 / ASTM E648-03
Reaction to fire classification (Tested in conjunction with Axminster 80:20 carpet)	Cfl-s1	Tested to ENISO9239-1 & 11925-2, rated to EN13501-1
Russian GOST FR Test	Classification KM5	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)

### Other Properties and Test Performance

Odour	No objectionable odour	
Emissions	Certified: ID # GLP100157	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 / Bacloc backing	
Packaging	Yellow film / black print	
Thermal resistance (European Units)	1.10 togs	BS 4745
R value (SI Unit)	0.11	
R Value (USA Unit)	0.625	
Impact sound reduction (Delta Lw)	28 dB	BS EN ISO 10140-3:2010

### GREEN CREDENTIALS

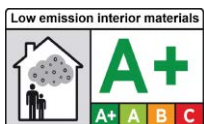
Green Features	Description	LEED Programme
Recyclable	At the end of the underlays useful life it can be 100% recycled	MR 2.0: Points Available It can be recycled
Recycled Content	Contains not less than 65% post-consumer recycled material	MR 4.0: Points Available Recycled Content
Indoor Air Quality	Meets 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	65%
Pre Consumer	0%
Virgin	35%

### Certification



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