

# **DURAFIT 650**

ISO 1765

**Cushion Council** 



## **Underlay Technical Specification**

Item Code: TADURAFIT650

Issue Date: 13/08/2024

Issue No. 1

Crumb Rubber (Reinforced).

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

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



Juline Specification	
Nominal thickness	6.50 mm (0.256")

Nominal square weight<sup>1</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 15.07m² (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	86 J/m²	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

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
  - <sup>‡</sup> Value derived from similar product test results

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





# **DURAFIT 650**

# Durafit System

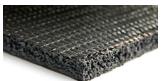
# **Underlay Technical Specification**

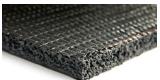
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Flammability		
Hot metal nut test (Tested in conjunction with Axminster 80:20 carpet)	Low radius of ignition	BS 4790 & BS 5287
Reaction to fire classification (Tested in conjunction with Axminster 80:20 carpet)	Cfl-s1	Tested to ENISO9239-1 &11925-2, rated to EN13501-1





Other Properties and Test Performance	
Odour	No objectionable odour
Emissions	Certified: ID # GLP 100157 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 / woven polypropylene backing with green stripes
Packaging	Green film / Black print
Thermal resistance (European Units) R value (SI Unit) R Value (USA Unit)	1.10 togs <sup>‡</sup> BS 4745 0.11 0.625
Impact sound reduction (Delta Lw)	28dB <sup>‡</sup> BS EN ISO 10140-3:2010



## **GREEN CREDENTIALS**

Green Features	Description	LEED Programme
Recyclable	At the end of the underlays useful life	MR 2.0: Points Available
	it can be 100% recycled	It can be recycled
Recycled Content	Contains not less than 65%	MR 4.0: Points Available
	post-consumer recycled material	Recycled Content
Indoor Air Quality	Meets or exceeds the industry standard for indoor air	IEQ 4.3: Points Available
	quality as established by the CRI Green Label Programme	Product is Green
		Label Plus Certified
Regional Materials	Production Facility Haslingden BB4 4LS, UK	MR 5.0: Points Available
	Where used within 500 miles of Production Facility	



LEED points must be considered along with other building components and must be determined by the specifier/architect or LEED accredited professional



Recy	ciea	Cor	itent
-			

Post Consumer	65%		
Pre Consumer	0%		
Virgin	35%		

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