

tredaire

It's what's underneath that counts



SYSTEM TEN INTERNATIONAL UNDERLAY

TECHNICAL DATA SHEET

Crumb Rubber

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

Not suitable for single-stick applications in areas greater than 33m²

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

Standard Specifications*		
Nominal square weight	4000 g/m ² (118 oz/yd ²)	
Nominal roll weight	43.84 kg	
Nominal roll area	10.96m ² (1.37m x 8.00m)	
Nominal thickness	9.20mm	ISO 1765
BS 5808: 1991 / EN14499 : 2015		
End Use Classification	HCU, Heavy Contract Use	
Mean original thickness from nominal thickness (max. 12%)	3.0 %	ISO 1765
Difference between max. & min. original thickness (max. 3mm)	0.4 mm	ISO 1765
Work of compression (Min. 50 J/m ² Max. 200 J/m ²)	98 J/m ²	BS 4098 & ISO 2094
Retention of work of compression (min 40%)	100 %	BS 4098 & ISO 2094
Compression after dynamic loading	2.2 mm	BS 4098 & ISO 2094
Loss in thickness after dynamic loading (max 15%)	2.1 %	BS 4052 & ISO 2094
Loss in thickness after static loading (max 15%)	2.8 %	ISO 3415/3416 & BS 4939
Breaking strength (length/width) min. 30N	710N / 332N	EN ISO 13394 BS 2576
Extension under force (length/width) max. 15% @ 30N	1.0% / 0.5%	
Resistance to cracking (not greater than 50mm)	Pass	EN 14499 & BS 5808
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
Russian GOST FR Test	Classification KM5	GOST 30244-04, GOST 30402-96 GOST 51032-97, GOST 12.1.044-89 (Item 4.18) GOST 12.1.044-89 (Item 4.20)

Other Specifications

Odour	No objectionable odour
Antimicrobial and mildew resistant	Yes
Colour / backing	Black / Bacloc backing
Packaging	Clear, with printed insert
Thermal resistance	1.55 togs BS 4745
Impact sound reduction (Delta Lw)	31 dB BSEN ISO 140-8: 1998 and BSEN ISO 717-2: 1997
Emissions (US Carpet & Rug Institute)	Meets low VOC emission criteria
French VOC Emission Regulations	Complies A+ Decree DEVL1101903D/ Amended DEVL1104875A

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 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

Recycled Content

Post Consumer	65%
Pre Consumer	0%
Virgin	35%

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Feels Better

Underlay delivers cushioning to make carpets so much more comfortable.



Help To Reduce Noise

A carpeted floor with an underlay will act as a barrier to sound. Ideal for multi-level living. Underlays for wood and laminate floors can reduce in-room noise by up to 30%.



Improves Your Insulation

Underlays provide an extra barrier to retain heat and could help cut your energy bills by up to 15%.



Improves Hygiene

An underlay will also act as a barrier to embedded dirt, making it easier to clean and more hygienic.