

Underlay Technical Specification

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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 BS 4051
Work of compression Minimum 50 J/m ²	>140 J/m ² BS 4908 & BS 4052
Retention of work of compression (min 40%)	>90 % BS 4908 & BS 4052
Loss in thickness after dynamic loading (max 15%)	<5 % BS 4052
Loss in thickness after static loading (max 15%)	<5 % BS 3939
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)

Other Specifications

Odour	No objectionable odour
Colour / backing	Yellow polyethylene / polyethylene with reinforcing scrim
Packaging	Yellow film / black print
Thermal resistance	1.93 togs [‡] BS 4745
Impact sound reduction (Delta Lw)	35 dB [†] BSEN ISO 140-8: 1998 and BSEN ISO 717-2: 1997
Emissions	Meets low VOC emission criteria US Carpet & Rug Institute

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