

Defender Rubber Specification

Material Composition

100% Sponge Rubber– 3% Recycled Content

Total Weight

ca. 3017 g/m² (89 oz/yd²) (+/- 10%)

Total Thickness

ca. 6.10 mm (0.24")

Density

ca. 495 kg/m³ (30.9 bs/ft³)

Roll Area:

ca.10 m²

Roll Size:

ca. 1.37 m x 7.30 m

End Use Classification

HC/U, Heavy Contract Use

Work of Compression

> 140 J/m²

Retention of Work of Compression

>85 %

Loss in Thickness after Dynamic Loading

< 3.5 %

Loss in Thickness after Static Loading

< 4.5 %

Resistance to Cracking

Pass

Breaking Strength

- Length > 182N

- Width > 126N

Extension under Force

- Length < 2.2 %

- Width < 1 %

Flammability

Hot Metal Nut Test

Pass - Low radius of effects of ignition

US Methenamine Pill Test

Pass

US Smoke Chamber Test

Pass

US Critical radiant flux NFPA

Class I

Reaction to fire classification (Tested in conjunction with Axminster 1028 carpet)

Bfl-s1

China National FR Test (at China National Test Centre)

Bf1 – s1,t1

Russian GOST FR Test

Classification KM3

Test Performance to US Standards**CFD (Compression Force Deflection)**

4.9 PSI @ 25% deflection.

13.7 PSI @ 50% deflection.

32.2 PSI @ 65% deflection.

Recommended Use

Extra Heavy Commercial Class III

Other Properties and Test Performance**Odour**

No objectionable odour

Colour / Backing

Green / printed Textron® backing

Thermal Resistance (European Units)

0.80 togs

- R value (SI Unit)

0.08

- R Value (USA Unit)

0.45

Impact Sound Reduction (ΔL_w)

31 dB

Emissions

Meets Low VOC Emission Criteria (Certified GLP051 Cat CC10 Rubber)

Antimicrobial and mildew resistant

Pass

GREEN CREDENTIALS

Recyclable

At the end of the underlays useful life, it can be 100% recycled

Recycled Content

Contains not less than 3% pre-consumer recycled material

Indoor Air Quality

Meets or exceeds the industry standard for indoor air quality as established by the CRI Green Label Programme

Regional Materials

Production Facility Haslingden BB4 4LS, UK. Where used within 500 miles of Production Facility

Installation

Subfloors should be dry, clean and free of oil, grease & damp. STRETCH FIT suitability. Fitting should meet the British Standard code of practice BS 5325 & be undertaken by experienced fitters.

Recommended Use Areas

Hotel Guest Rooms, Suites, Hotel Corridors (Medium & Heavy Traffic), Small Function Rooms, Restaurants, Lounges & Bars, Gyms, Fitness Rooms, and Offices (Medium & Heavy Traffic).