

Underlay Technical Specification

Item Code: TADEF3

Issue Date: 22/03/2019

Issue No. 15

Sponge Rubber Textured Flat

Suitable for underfloor heating

Suitable for the stretch-fit installation of carpets

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



Outline Specification

| | |
|-----------------------|---|
| Nominal thickness | 6.10mm (0.24") |
| Nominal square weight | 3017 g/m ² (89 oz/yd ²) |
| Nominal density | 495kg/m ³ (30.9bs/ft ³) |
| Nominal roll weight | 45.5 kg (100 lbs) |
| Nominal roll area | 15.07m ² (1.33m x 11.33m); 18.2 oz/yd ² (52.4" x 37.2') |
| Nominal thickness | 6.10mm (0.24") ISO 1765 |

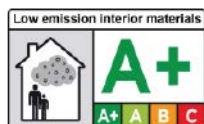
Test Performance to BS 5808: 1991 / EN14499 : 2015

| | | |
|---|--------------------------|------------------------------|
| End Use Classification | HC/U, Heavy Contract Use | |
| Work of compression Minimum 50 J/m ² | 140 J/m | BS 4908 & BS 4052 & ISO 2094 |
| Retention of work of compression (min 40%) | 85 % | BS 4908 & BS 4052 & ISO 2094 |
| Loss in thickness after dynamic loading (max 15%) | 3.5 % | BS 4052 & ISO 2094 |
| Loss in thickness after static loading (max 15%) | 4.5 % | ISO 3415/3416 & BS 4939 |
| Breaking strength (length/width) min. 30N | 182N / 126N | EN ISO 13394 BS 2576 |
| Extension under force (length/width) max. 15% @ 30N | 2.2% / 1.0% | EN ISO 13394 BS 2576 |
| Resistance to cracking (not greater than 50mm) | Pass | EN 14499 & BS 5808 |

Test Performance to US Standards

| | | |
|-----------------------------------|---|---------------------------|
| CLD (Compression Load Deflection) | 4.9 PSI @ 25% deflection. Method: 601/12151 | ASTM D3676-13 |
| CLD (Compression Load Deflection) | 13.7 PSI @ 50% deflection. Method: 601/12151 | ASTM D3676-13 |
| CLD (Compression Load Deflection) | 32.2 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
- ‡ Value derived from similar product test results

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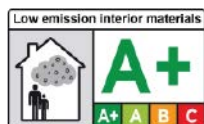
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Flammability

| | | |
|--|------------------------|---|
| Hot metal nut test | Low radius of ignition | BS 4790 & BS 5287 |
| US Methenamine Pill Test | Pass | Pill Test DOC-FF 1-70 |
| US Smoke Chamber Test | Pass | ASTM E662 |
| US Critical radiant flux NFPA | Class I | NFPA 253 / ASTM E648-03 |
| Reaction to fire classification (Tested in conjunction with Axminster 1028 carpet) | Cfl-s1 | Tested to 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 Properties and Test Performance

| | | |
|---------------------------------------|----------------------------------|--|
| Odour | No objectionable odour | |
| Emissions (US Carpet & Rug Institute) | Meets low VOC emission criteria | US CRI Green Label Certified GLP051 Cat CC10 Rubber Plus Programme |
| Antimicrobial and mildew resistant | Pass | ASTM G21 |
| Colour / backing | Green / printed Textron® backing | |
| Packaging | White film / purple print | |
| Thermal resistance (European Units) | 0.80 togs | BS 4745 |
| R value (SI Unit) | 0.08 | |
| R Value (USA Unit) | 0.45 | |
| Impact sound reduction (Delta Lw) | 31dB | 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 3% pre-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 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

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