

Underlay Technical Specification

Item Code: TATECH5

Issue Date: 24/03/2017

Issue No. 14

Sponge Rubber (Flat).

Suitable for underfloor heating. Suitable for flame retardant applications.

Suitable for the double-stick and stretch-fit installation of carpets and floating wood and laminate installations.

End Use Classification (BS 5808: 1991): HC/U, Heavy Contract Use.

Outline Specification

| | |
|------------------------|---|
| Nominal thickness† | 5.00 mm (0.196") |
| Nominal square weight† | 2712 g/m² (80.0 oz/sq.yd.) |
| Nominal Density | 542.40 kg/m³ (33.8 lbs/cu.ft) |
| Nominal roll weight† | 40.9 kg (90.0 lbs) |
| Roll area* | 15.07 m² (1.37m x 11.0m); 18.02 sq.yd (53.9' x 36' 1.1".) |
| Colour / backing | Black / Printed Textron® backing |
| Packaging | White film / red print |

Test Performance to BS 5808: 1991

| | | |
|--|--------------------------|-------------------|
| End Use Classification | HC/U, Heavy Contract Use | |
| Nominal thickness† | 5.00 mm (0.207") | BS 4051 |
| Work of compression Minimum 50 J/m² | 96 J/m² | BS 4908 & BS 4052 |
| Retention of work of compression (min 40%) | 89 % | BS 4908 & BS 4052 |
| Compression after dynamic loading | 2.2 mm | BS 4908 & BS 4052 |
| Loss in thickness after dynamic loading (max 15%) | 3.50 % | BS 4052 |
| Loss in thickness after static loading (max 15%) | 4.00 % | BS 3939 |
| Breaking strength (length/width) min. 40N | 282N / 162N | BS 2576 |
| Extension under force (length/width) max. 10%@ 40N | 0.8% / 0.5% | BS 2576 |
| Resistance to cracking (not greater than 50 mm) | Pass | BS 5808 |

Test Performance to US Standards

| | | |
|------------------------------------|---|------------------------------|
| CFD (Compression Force Deflection) | 5.6 PSI @ 25% deflection. Method: 601/12151 | ASTM D3676-13 |
| CFD (Compression Force Deflection) | 20.9 PSI @ 50% deflection. Method: 601/12151 | ASTM D3676-13 |
| CFD (Compression Force Deflection) | 81.6 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 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

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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/NFPA 258 |
| US Critical radiant flux NFPA | Class I | NFPA 253 / ASTM E648-03 |
| Reaction to fire classification (Tested in conjunction with Axminster 80:20 carpet) | Bfl-s1 | Tested to ENISO9239-1 & 11925-2, rated to EN13501-1 |
| Allgemeine bauaufsichtliche Zulassung (AbZ) | Zulassungsnummer: Z-158.10-146 vom 2.03.15 | |
| Russian GOST FR Test | Classification KM3 | Cert. No.0007622 |

Other Properties and Test Performance

| | | |
|-------------------------------------|------------------------|---|
| Odour | No objectionable odour | |
| Emissions | Accreditation #0754 | US CRI Green Label Plus Programme |
| French VOC Emission Regulations | Complies A+ | Decree DEVL1101903D/ Amended DEVL1104875A |
| Antimicrobial and mildew resistant | Pass | ASTM G21 |
| Thermal resistance (European Units) | 0.56 togs | BS 4745 |
| R value (SI Unit) | 0.056 (W/M.K) | |
| R Value (USA Unit) | 0.3180 Btu/(hr·ftF) | |
| Impact sound reduction (Delta Lw) | 28dB | 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 Plus 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

Recycled Content

| | |
|---------------|-----|
| Post Consumer | 0% |
| Pre Consumer | 3% |
| Virgin | 97% |

Notes

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- † ±5%
- ‡ Value derived from similar product test results