

Underlay Technical Specification

Item Code: TAFR7

Issue Date: 22/03/2019

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 / BS EN 14499 : 2015): 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) | |
| Nominal roll area | 15.07m ² (1.37m x 11.00m) | |
| Nominal thickness | 7.00mm (0.28") | ISO 1765 |

BS 5808: 1991 / EN14499 : 2015

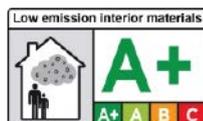
| | | |
|---|--------------------------|-------------------------|
| End Use Classification | HC/U, Heavy Contract Use | |
| Work of compression (Min. 50 J/m ² Max. 200 J/m ²) | >140 J/m ² | BS 4098 & ISO 2094 |
| Retention of work of compression (min 40%) | >90 % | BS 4098 & ISO 2094 |
| Loss in thickness after dynamic loading (max 15%) | <5 % | BS 4052 & ISO 2094 |
| Loss in thickness after static loading (max 15%) | <5 % | ISO 3415/3416 & BS 4939 |
| Resistance to cracking (not greater than 50mm) | Pass | EN 14499 & BS 5808 |
| Hot metal nut test (tested in Interfloor laboratory) | Pass | BS 4790 & BS 5287 |
| Breaking strength (length/width) min. 30N | >90N / >50N | EN ISO 13394 BS 2576 |
| Extension under force (length/width) max. 15% @ 30N | <10% / <10% | EN ISO 13394 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) |



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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Test Performance to US Standards

| | | |
|------------------------------------|--|------------------------------|
| CFD (Compression Force Deflection) | 0.9 PSI @ 25% deflection. Method: 601/12151 | ASTM D3676-13 |
| CFD (Compression Force Deflection) | 3.1 PSI @ 50% deflection. Method: 601/12151 | ASTM D3676-13 |
| CLD (Compression Force Deflection) | 6.3 PSI @ 65% deflection. Method: 601/12151 | ASTM D3676-13 |
| Recommended Use | Moderate Traffic Class I | US Carpet Cushion Council |

Other Specifications

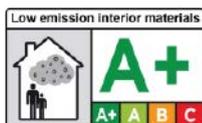
| | | |
|---------------------------------------|--|---|
| Odour | No objectionable odour | |
| Colour / backing | Yellow polyethylene / polyethylene with reinforcing mesh | |
| Packaging | Yellow film / black print | |
| Thermal resistance | 1.99 togs † | BS 4745 |
| Impact sound reduction (Delta Lw) | 34 dB | BSEN ISO 140-8: 1998 and BSEN ISO 717-2: 1997 |
| Emissions (US Carpet & Rug Institute) | Meets low VOC emission criteria Certified GLP051 Cat CC2 PU | US CRI Green Label Plus Programme |

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 95% 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

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