



# TECHNICAL SPECIFICATION

## TREDAIRE Colours Red

### Superior quality cellular sponge rubber carpet underlay

End Use Classification (BS 5808: 1991): L/U, Luxury Use

Unparalleled underfoot comfort

Exceptional thermal and impact sound insulation

Guaranteed for 25 years or the serviceable lifetime of the carpet when used in the recommended locations

| Specification  | BS Requirements  | Result   | Method  |
|--|--|--|---|
| Nominal square weight  |  | 4068 g/m <sup>2</sup> (120 oz/sq yd)                               |   |
| Nominal thickness  |  | 11.40 mm   | BS 4051                                       |
| Mean original thickness from nominal thickness               | Maximum 12%  | 4.0 %  |   |
| Difference between max. & min. original thicknesses          | Maximum 3mm  | 0.5 mm   |   |
| Work of compression  | Minimum 50 J/m <sup>2</sup> after dynamic loading for 1000 impacts | 180 J/m <sup>2</sup>   | BS 4098 & BS 4052                             |
| Compression after dynamic loading                            | Minimum 2mm, maximum 7mm after 1000 impacts                        | 6.8 mm   |   |
| Retention of work of compression                             | Minimum 40% of original after 1000 impacts                         | 67 %   |   |
| Breaking strength - length                                   | Minimum 40N  | 182 N  | BS 2576                                       |
| Breaking strength - width                                    |  | 126 N  |   |
| Extension under force - length                               | Maximum 10% @ 40N  | 2.2 %  |   |
| Extension under force - width                                |  | 1.0 %  |   |
| Loss in thickness after dynamic loading                      | Maximum 15% after 1000 impacts                                     | 6.8 %  | BS 4052                                       |
| Loss in thickness after static loading                       | Maximum 15% after 24hrs loading & recovery                         | 8.5 %  | BS 4939                                       |
| Resistance to cracking                                       | Not greater than 50mm  | Pass   | BS 5808                                       |
| Odour  |  | No objectionable odour   |   |
| Colour and appearance  |  | Red textured flat sponge rubber with printed Textron paper backing |   |
| <b>Thermal Properties</b>                                    |  |  |   |
| Thermal resistance   |  | 1.65 togs  | BS 4745                                       |
| <b>Acoustic Properties</b>                                   |  |  |   |
| Weighted reduction in impact sound pressure level (Delta Lw) |  | 46 dB  | BSEN ISO 140-8: 1998 and BSEN ISO 717-2: 1997 |

Please note: This document does not constitute a manufacturing specification. It details important technical performance and physical characteristics of the product only. Please contact the Technical Department for any further information.

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