





















# Technical specifications

Diffusion carpet tiles meet the requirements of EN 1307

|   |                              |  |   |
|---|------------------------------|--|---|
|   | Description                  | Tufted multi-height loop pile carpet tile  |   |
|    | Dimensions                   | 50cm x 50cm  |   |
|    | Total thickness              | 6.6mm ± 10%  |   |
|   | Pile height                  | 3.0mm ± 0.5mm  |   |
|    | Collection size              | 16 colourways<br>4m <sup>2</sup> per box   |   |
|    | Application                  | EN 1307  | Class 33, Suitable for any type of heavy contract application |
|   | Pile composition             | 100% Universal Fibers <sup>SM</sup> Refresh <sup>TM</sup> polyamide 6.6  |   |
|   | Dye method                   | 100% solution dyed   |   |
|   | Stitch density               | 217,488 per m <sup>2</sup> ± 10%   |   |
|    | Pile weight                  | 570 gsm ± 10%  |   |
|   | Total weight                 | 4,085 gsm ± 10%  |   |
|   | Primary backing              | Polyester/Nylon  |   |
|    | Secondary backing            | Modified bitumen and polyester fleece. Also available in SOFTbac <sup>®</sup> secondary backing  |   |
|    | Castor chair use             | BS EN 985  | Minimum R value: ≥2.4   |
|    | Light fastness               | BS EN ISO 105 B02  | ≥5  |
|    | Dimensional stability        | BS EN 986  | ≤0.2%   |
|    | Creating Better Environments |  |   |
|    | Renewable Electricity        | All Tessera carpet tiles are manufactured using 100% electricity made from renewable sources   |   |
|   | Recycled Content             | Diffusion contains over 50% recycled content by weight   |   |
|  | Indoor Air Quality           | Diffusion meets 01350 Indoor Air Quality standard  |   |
|  | Back to the Floor            | Installation off cuts can be collected and recycled via Back to the Floor  |   |
|  | CRUK                         | Forbo Flooring UK Ltd is a member of Carpet Recycling UK   |   |
|   | Ska                          | Diffusion meets Ska Rating criteria for M12 soft floor coverings in both office and retail schemes   |   |
|  | Guarantee                    | Diffusion carpet tiles are guaranteed for 10 years under heavy contract conditions (15 years guaranteed with SOFTbac <sup>®</sup> ) provided that they have been professionally fitted by a recognised contractor and regularly maintained in accordance with the Forbo requirements currently in force. |   |
|  | Installation method          | Broadloom (monolithic), quarter turn or tessellated  |   |

Diffusion carpet tiles meet the requirements of EN 14041



|   |                       |                       |   |
|---|-----------------------|-----------------------|---|
|  | Reaction to fire      | EN 13501-1            | B <sub>fl</sub> -s1   |
|  | Slip resistance       | EN 13893              | DS: ≥0.30   |
|  | Electrical resistance | BS ISO 10965 & EN1815 | <1 x 10 <sup>9</sup> Ω: Static dissipative. Body voltage: Pass (< 2kV)<br>Lifetime protection through the use of permanent anti-static yarn and backing |

Our recommended adhesive for our collection of Tessera carpet tiles is 542 Eurofix Tack plus. Please contact customer services for more information.

Forbo Flooring Systems reserves the right to improve the specification of its products without giving prior notice. Errors and omissions excepted.