






















# Technical specifications

Struktur 1 carpet tiles meet the requirements of EN 1307

|   |                              |                |   |
|---|------------------------------|----------------|---|
|   | Description                  |                | Microtuft carpet tile   |
|    | Dimensions                   | EN 994         | 50cm x 50cm   |
|    | Total thickness              | ISO 1765       | 5.1mm ± 10%   |
|   | Pile height                  | ISO 1766       | 1.00mm +15% -10%  |
|    | Collection size              |                | 18 colourways, 5m² per box  |
|    | Commercial use               | EN ISO 10874   | Class 33, Suitable for any type of heavy contract application   |
|   | Pile composition             |                | 100% polyamide 6  |
|   | Dye method                   |                | 100% solution dyed  |
|   | Stitch density               | ISO 1763       | 126,080 per m² ± 10%  |
|    | Pile weight                  | ISO 8543       | 350gsm ± 10%  |
|   | Total weight                 | ISO 8543       | 3,765gsm ± 10%  |
|   | Primary backing              |                | Polyester   |
|    | Secondary backing            |                | ProBac recycled mineral filler with low amount of modified bitumen, and polyester fleece. Contains over 76% recycled content. |
|    | Acoustic                     | ISO 717-2      | Impact sound $\Delta L_w = 17$ dB   |
|    |                              | ISO 354        | Sound absorption = 0.15   |
|    | Castor chair use             | ISO 4918       | $r \geq 2.4$ continuous use   |
|    | Light fastness               | EN ISO 105-B02 | $\geq 6$  |
|    | Dimensional stability        | EN 986         | $\leq 0.2$ %  |
|    | Creating Better Environments |                |   |
|  | Renewable Energy             |                | All Tessera tufted carpet tiles are manufactured using 100% renewable energy (electricity & biogas)                           |
|  | Recycled Content             |                | Struktur 1 carpet tiles contain 65% recycled content by weight  |
|  | Indoor Air Quality           |                | Struktur 1 carpet tiles comply to 01350 Indoor Air Quality Standard   |
|   | Ska Rating                   |                | Struktur 1 meets Ska Rating criteria for M12 soft floor coverings in office, retail and higher education schemes              |
|  | Installation method          |                | Quarter turn (Monolithic installation is at the discretion of the user, but non-visible joins are not guaranteed)             |

Struktur 1 carpet tiles meet the requirements of EN 14041

|   |                    |            |                 |
|---|--------------------|------------|-----------------|
|  | Product code       | EN 14041   | 1170100-DoP-306 |
|  | Reaction to fire   | EN 13501-1 | Bfl-s1, G, NCS  |
|  | Slip resistance    | EN 13893   | $\mu \geq 0.30$ |
|  | Body voltage       | ISO 3656   | $< 2$ kV        |
|  | Thermal resistance | EN 12667   | 0.055 m².K/W    |

All Forbo Flooring Systems' sales organisations and manufacturing sites worldwide have certified Quality Management Systems in accordance with ISO 9001.

All Forbo Flooring Systems' manufacturing plants have certified Environmental Management Systems in accordance with ISO 14001.

Tessera Struktur 1 is manufactured in a facility certified to SA8000® and OHSAS 18001.