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Tessera Struktur 1 meets the requirements of EN 1307

| Description | Microtuft carpet tile | |
|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
|  Tile size | EN 994 | 50 cm x 50 cm |
|  Total thickness | ISO 1765 | 5.1 mm ± 10% |
|  Pile height | ISO 1766 | 1.00 mm ± 15% - 10% |
|  Collection size | 18 | |
|  Packaging per carton tiles | 20 (5 m ² 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 m ² |
|  Pile weight | ISO 8543 | 350 g/m ² ± 10% |
|  Total weight | ISO 8543 | 3765 g/m ² |
|  Primary backing | Polyester | |
|  Secondary backing | ProBac™ modified bitumen and polyester fleece. Contains over 76% recycled content | |
|  Acoustical impact noise reduction | ISO 717-2 | 17 dB |
|  Acoustical sound absorption | ISO 354 | $\alpha_w = 0.15$ (H) |
|  Castor chair continuous use | ISO 4918 | $r \geq 2.4$ continuous use |
|  Colour fastness to light | EN ISO 105-B02 | ≥ 6 |
|  Dimensional stability | EN 986 | ≤ 0.2 % |
|  Indoor air emissions: TVOC after 28 days | EN 16516 | ≤ 0.1 mg/m ³ |
|  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 | |
|  Back to the Floor | Installation off cuts can be collected via Back to the Floor | |
|  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 14041:2004

| | | |
|----------------------------------------------------------------------------------------------------------|---------------|-----------------------------|
|  Product code | EN 14041:2004 | 1170100-DOP-101 |
|  Reaction to fire | EN 13501-1 | C _f l-s1, G, NCS |
|  Slip resistance | EN 13893 | $\mu \geq 0.30$ |
|  Body voltage | ISO 6356 | ≤ 2.0 kV |
|  Thermal conductivity | EN 12524 | 0.06 W/mK |

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 operations have certified Environmental Management Systems in accordance with ISO 14001.

The Life Cycle Assessment (LCA) of Forbo Flooring Systems' products is documented in individual Environmental Product Declarations (EPD's) which can be found on all of our websites.

