



TRETFORD ECO TILE SPECIFICATION

DESCRIPTION

tretford ECO-Tile is made from carded fibres formed into a continuous corrugation and bonded to a 100% post-consumer recycled PET backing.

MATERIALS

Pile composition of carpet: 70% Goat Hair (512 Dapple Grey, 538 Silver Birch and 587 Double Cream are manufactured using undyed goat hair), 30% Nylon.

WARRANTIES

Wear Guarantee and a Lifetime Anti-Ravel/Non-Zipper Guarantee. BS EN1307:2005 Class 33 LC2 Heavy Commercial Use.

DIMENSIONS & WEIGHT Size: 50cm x 50cm Packing: 5m² per box Thickness: 9.1mm Weight: ca. 3.8kg / sq.m.

FLAMMABILITY

BS 4790:1987 Mean radius of burning: 25mm Class: low

BS EN ISO 11925:2002, BS EN ISO 9239-1: Euroclass Cfl-s1

Critical radiant flux test: ANSI/ASTM E648 result category 1

EN ISO 9239-1:2003: CHF value: mean 5.1 kW/m² loose laid and direct stick.

Conclusion: Suitable for all commercial / contract installations including Institutional, Commercial and Public Buildings.

THERMAL INSULATION (ISO 8302:1991)

Thermal resistance (R-value): 0.09 m² K/W

Conclusion: Satisfactory thermal properties for normal underfloor heating.

ELECTRICAL PROPERTIES / STATIC

ISO 6356:2000: -1.3kV, BS EN 14041:2004: Classified as antistatic

AATCC TM 134 Step test: 2.7kV, Scuff test: 3.0 kV - Suitable for commercial use

IBM and ICL Electrical Resistance: Tested at 40% RH and 20°C - Passed

Recommendation: To prevent discomfort a minimum of 40% RH should be maintained.

LOSS IN THICKNESS AFTER DYNAMIC LOADING (BS 4052:1987)

Thickness loss % after 1000 Impacts: 13.33%

DIMENSIONAL STABILITY (BS EN 986:2005) Dimensional Stability test requirements: -0.2% - +0.2% - Passed.

COLOUR FASTNESS (BS 1006:1990)

To light - colour change: 5-6 very slight to none To water spotting - colour change: 4 very slight

To carpet shampoo - colour change: 3-4 slight To rubbing - colour change: 4 very slight.

IMPACT INSULATION (EN ISO 140-8:1998)

Centre band frequencies (HZ)	200	400	800	1000
Test 1 bare concrete (dB)		63.7	66.1	66.3 66.2
Test 2 bare concrete with tretford (dB)	53.7	42.0	28.1	22.0
Regulation Requirements (dB)	66	66	64	63

Conclusions: This carpet meets the requirements of the building regulations by a useful margin.

SOUND ABSORPTION (EN ISO 354:2003)

Sound absorption grade (EN ISO 11654:1997) is 0.25

	125	250	500	1000	2000	4000 Hz
Carpet	0.02	0.05	0.14	0.29	0.27	0.35

MOTHPROOFING (BS 4797:1972) (SIS 650220)

tretford tile is moth-resistant to the following standards:

European Standards.

CASTOR CHAIR PROTECTORS (for appearance retention purposes)

Recommended with 3 colours. Mandatory with 1 and 2 colours.



2009/533

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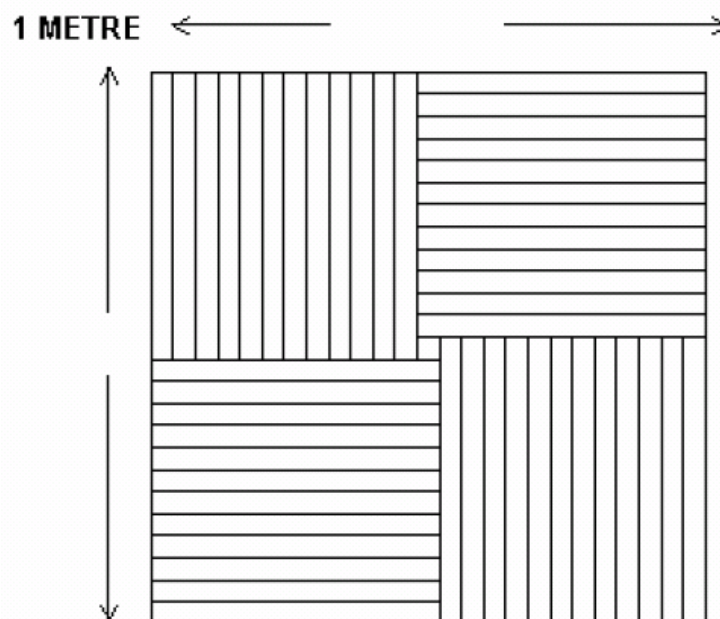
Tile Installation

Laying should commence as near as possible to the centre of the room, with a square of 4 tiles. All tiles should be tessellated i.e. laid at right angles to each other. Tiles should appear to be offset against tiles laid in the same direction (see diagram). The outside of the square must however be straight and measure 1 metre on all 4 sides. In contract situations, we recommend tiles are secured using a peelable adhesive, located in such a way as to form a stress pattern. When installing tiles we recommend a peelable or release adhesive. In residential situations tiles may be loose laid.

NOTE: Laying the 4 tiles in 1M x 1M squares helps to avoid any problems or confusion caused by the optical illusion evident at the intersection of the 4 tiles. This diagram is not to scale and is for illustrative purposes only.

ADHESIVE

When installing treford tiles we recommend a peelable/release adhesive such as F.Ball's F41 or Durabond LE2PR. When installing treford on walls, we recommend a high tack adhesive such as F.Ball's F66 or Durabond D7. Note: Spirit based adhesives must never be used when installing treford. Their use voids all manufacturer warranties.



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