

# J O S E P H H A M I L T O N & S E A T O N



## TRETFORD TILE SPECIFICATION

### DESCRIPTION

Tretford 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: 5m<sup>2</sup> 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/m<sup>2</sup> 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 m<sup>2</sup> 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
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Test 1 bare concrete (dB)	63.7	66.1	66.3	66.2
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Test 2 bare concrete with tretford (dB)	53.7	42.0	28.1	22.0
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Regulation Requirements (dB)	66	66	64	63
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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

Coefficient of absorption

### 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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