

TECHNICAL INFORMATION

tretford tile

DESCRIPTION

tretford Tile is made from carded fibers formed into a continuous corrugation and bonded to a PVC 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 EN 1307:2005 Class 33 LC2 Contract Wear

DIMENSIONS & WEIGHT

Size: 50cm x 50cm
Packing: 5m² per box
Thickness: 8mm
Weight: ca. 5 kg/m²

FLAMMABILITY

BS 4790: 1987 Mean radius of burning: 25mm Class: low
BS EN ISO 11925:2002, BS EN ISO 9239-1: Euroclass C_{fl}-s1
Critical radiant flux tests: ANSI/ASTM E648 result category 1
AS ISO 9239.1-2003. Direct Stick - CHF value: mean 7.2 kW/m²
Conclusion: Suitable for all commercial / contract installations including institutional, commercial and public buildings.

THERMAL TRANSMISSION PROPERTIES (BS 4745:1971)

Thermal resistance: 1.76 togs

Thermal conductance: 5.68 W/m²·°C

Thermal conductivity: 4.99 Wcm/m²·°C

Conclusion: Satisfactory thermal properties for normal underfloor heating.

ELECTRICAL PROPERTIES / STATIC

IBM and ICL Electrical Resistance: Tested at 40% RH and 20°C and passed.

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

LOSS IN THICKNESS AFTER DYNAMIC LOADING (BS4052:1987)

Thickness loss (%) after 1000 Impacts: 13.33%

COLOUR FASTNESS (BS 1006: 1990)

To light - color change: 5-6 very slight to none

To water spotting - color change: 4 very slight

To carpet shampoo - color change: 3-4 slight

To rubbing - color change: 4 very slight

IMPACT INSULATION (BS 2750: 1980)

Center band frequencies (Hz)	200	400	800	1000
Test 1 bare concrete (dB)	66	69	71	71
Test 2 bare concrete with tretford (dB)	57.2	45.5	33.7	25.6
Regulation Requirements (dB)	66	66	64	63

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

SOUND ABSORPTION (BS EN 20354: 1993)

Noise reduction coefficient (250-2,000Hz) is 0.21

	130	255	515	1025	2025	4075	Hz
Carpet	0.01	0.03	0.10	0.27	0.42	0.41	Coefficient of absorption

