

# TECHNICAL INFORMATION

## Description

tretford ROLL is made from carded fibres formed into a continuous corrugation and bonded with PVC or 100% natural latex to a hessian backing. Standards quoted below are for PVC bonded carpet.

## Materials

Pile composition of carpet: 80% Goat Hair (512 Dapple Grey, 538 Silver Birch and 587 Double Cream are manufactured using undyed goat hair), 15% Nylon, 5% Viscose.

## Warranties

Wear Guarantee and a Lifetime Anti-Ravel/ Non-Zipper Guarantee. BS EN 1307:2005 Class 33 LC2 Contract Wear

## Dimensions & Weight

Roll Width: 2m wide (ribs run across 2m width)  
Roll Length: 25m approx  
Thickness: ca. 7mm  
Weight: ca 2.75kg / sq. m

## Thermal Transmission Properties

(BS 4745:1971)

Thermal resistance: 1.76 togs  
Thermal conductance: 5.68 W/m<sup>2</sup>.°C  
Thermal conductivity: 4.99 Wcm/m<sup>2</sup>.°C

Conclusion: Satisfactory thermal properties for normal underfloor heating.

## 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 tests:  
ANSI/ASTM E648 result category 1  
AS ISO 9239.1-2003  
Direct Stick - CHF value: mean 7.6 kW/m<sup>2</sup>  
Dual bond - CHF value: mean 5.7 kW/m<sup>2</sup>  
Airstep Sensi Slab - CHF value: mean 4.5 kW/m<sup>2</sup>  
Airstep Aero Cushion - CHF value: mean 3.6 kW/m<sup>2</sup>  
Dunlop Durafit 7 - CHF value: mean 5.3 kW/m<sup>2</sup>  
Dunlop Technics 5 - CHF value: mean 5.6 kW/m<sup>2</sup>

Conclusion: Suitable for all commercial / contract installations including institutional, commercial and public buildings.

## 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 - 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

# tretford® ROLL

## TECHNICAL INFORMATION CONT'

### Impact Insulation (BS 2750: 1980)

Centre 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

### Mothproofing (BS 4797:1972) (SIS 650220)

tretford ROLL 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

### Maintenance

Please refer to our website [www.gibbongroup.com.au](http://www.gibbongroup.com.au)

### Country Of Manufacture

Republic of Ireland

### Other Product Formats

tretford TILE (available in 35 stunning colours)

Contact your local distributor to request architectural folders of either of the above product formats or visit our website [www.tretford.com](http://www.tretford.com) for further information.

Please note: we reserve the right to make technical improvements.