

TRETTFORD TILE

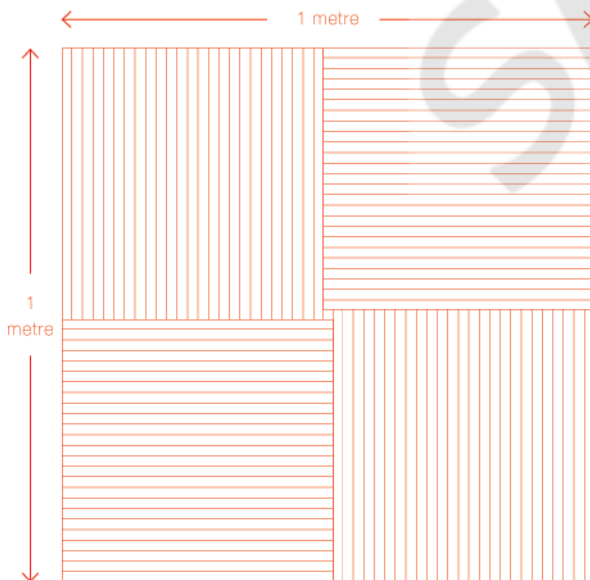
INSTALLATION INSTRUCTIONS (New Zealand)

* These instructions must be followed to retain Manufacturer's Warranties.

General Information

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.

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.



Sequential Batching

IMPORTANT: Please note, in accordance with Australian Standards, Tretford Rolls and/or Tiles must be laid in sequential order. If rolls or tiles are not installed sequentially, colour variation may occur.

PREPARATION

Sub-Floor Preparation

The subfloor should be dry, sound and level – as per Australian Standards (ref. AS/NZS 2455.1:2007 1/Amdt: 1/2009-08-31). Please refer to adhesive surface preparation requirements for [Mapei Ultrabond ECO800](#) below.

Surface Preparation

1. All subfloors must be structurally sound, solid, well-fastened, dry, clean and free of dust, oil, grease, tar, paint, wax, curing agents, primers, sealers, loosely bonded toppings, loose particles and any other substance or condition that may reduce or prevent adhesion.
2. Painted surfaces must be sanded and scarified completely to expose the substrate, using appropriate safety precautions.
3. Various Underlayments:
 - a. Concrete subfloors must be dry.
 - b. All wooden floors must be well-ventilated from below.
 - c. Cement terrazzo must be sound, solid, flawless, stripped clean and free of any contaminants or conditions that may prevent or reduce adhesion. Roughen surface by sanding or scarifying using appropriate safety precautions.
4. See the “Surface Preparation Requirements” document for details.

Acclimatisation

Before beginning the installation, make sure that the adhesive, the material and the substrate are acclimatized to the recommended temperature. The material must be removed from any packaging and laid out to permit acclimatization and reduction of tensions produced by packaging.

Contract Situations

In contract situations, we recommend tiles are secured using the LOW VOC pressure sensitive MAPEI Ultrabond ECO 800 and/or equivalent release adhesive, located in such a way as to form a stress pattern. When installing tiles we recommend a peelable or release adhesive.

Residential Situations

In residential situations tiles may be loose laid.

SPECIFIED ADHESIVE

Mapei Ultrabond ECO 800

Recommended Substrates

- Suitable for use over under-floor heating systems (surface temperature must not exceed British Standard recommendations). The heating should be switched off at least 48 hours before and after the installation of floor covering.
- In areas subject to excessive variations of temperature and floor coverings not completely dimensionally stable, care should be taken as movement may occur causing gaping.
- The sub-floor should be clean, free from any contaminants and structurally sound. Any surface additives that may hinder adhesion should be removed. It should also have an effective damp-proof membrane and be dry enough to receive a bonded floor covering.

Technical Notes

- Consult the Material Safety Data Sheet (MSDS) for safe-handling instruction before beginning installation.
- Do not install where a moisture problem exists.
- Use for interior installations only
- Do not use when the substrate temperature is below 50°F (10°C) or above 90°F (32°C), or when the relative humidity exceeds 65%.
- Do not apply directly over gypsum-based substrates.

NOTE: Consult MAPEI's Technical Services Department for installation recommendations regarding substrates and conditions not listed.

TECHNICAL INFORMATION

DESCRIPTION

Tretford Tile is made from carded fibres formed into a continuous corrugation and bonded to a PVC backing.

MATERIALS – FACE FIBRE

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 Contract Wear

DIMENSIONS & WEIGHT

Size: 50cm x 50cm

Packing: 5M2 (squared) per box

Thickness: 8mm

Weight: ca. 5kg / 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 tests: ANSI/ASTM E6/48 result category 1

AS ISO 9239.1-2003: CHF value: mean 7.2 kW/m² direct stick.

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 200C - 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%

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 (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)	64	63	57.2	45.5	33.7	25.6	Regulation Requirements (dB)	66	66

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

SOUND ABSORPTION (BS EN 20354:1993)

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

	130	255	515	1025	2025	4075	Hz	
Carpet	0.01	0.30	0.10	0.27	0.42	0.41	Coefficient of absorption	

MOTHPROOFING (BS 4797:1972) (SIS 650220)

Tretford TILE is moth-resistant to the following standards:

European Standards

Australian Woolmark Levels 1 to 5

New Zealand Woolmark WoNZ R1 to R3.

CASTOR CHAIR PROTECTORS

Recommended with 3 star colours. Mandatory with 1 star and 2 star colours. See www.gibbongroup.com.au for details.

MAINTENANCE

Please see the Tretford website or your local distributor for maintenance information.

COUNTRY OF MANUFACTURE

Germany.