

# tretford TILE

## INSTALLATION INSTRUCTIONS

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# INSTALLATION INSTRUCTIONS

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

*Note: International tretford guidelines do not apply to Australian tretford installations, please always refer to [www.gibbonarchitectural.com.au](http://www.gibbonarchitectural.com.au).*

## Pre-Installation Checks

The following instructions are to be reviewed in conjunction with AS/NZS 2455.1:2019 (or latest AS/NZ Standards) prior to installing tretford TILE carpet. The information supplied in these instructions are general and may not cover all subfloor conditions. For subfloor conditions not covered here, please contact your local representative for guidance on how to proceed.

**Gibbon Architectural will not be held responsible or warrant any tretford product that is not installed in accordance with these instructions and procedures.**

### ACCLIMATISATION

**IMPERATIVE:** Be aware that tretford is a natural fibre and absorbs and releases moisture. To avoid issues the carpet must be installed in a controlled temperature & humidity environment:

**tretford TILE must be unwrapped from outer plastic pallet wrap, the boxes opened on end and allowed to acclimatize - minimum 48 hours - in controlled environment:**

- **48 hours ahead of installation**
- **for the duration of the installation &**
- **48 hours post installation.**

**Ensure substrate and ambient conditions are to Australian Standards.**

- The ideal room temperature lies between 15-25 °C, with relative humidity between 30-75%.
- Ambient humidity levels to be below 75% or mitigated by mechanical extraction if required.
- Install tretford only where relative humidity does not exceed 75% or fall below 30%

If tretford TILE are laid while cold, they may exhibit stiffness and residual tension where tiles don't lie evenly on the floor. **Failure to condition to local environment may result in installation failure.**

### CROSS CHECK:

**Installers must remember to check colour, quantity, and batch against your order before use.**

All tretford products delivered should be inspected prior to installation to ensure the following:

- The correct style, colour and quantity have been supplied
- The same production number is on all boxes.
- If multiple dyes agreed to, ensure the correct dye lots have been delivered.
- No transport damage has occurred. If transport damage, please photograph the damage before opening packaging and send immediately to your local tretford representative.

**DO NOT install any tretford TILE product if any of the above issues are noted.**

# Subfloor Preparation

tretford TILE is to be installed on dry, clean, and properly prepared subfloors as per AS/NZS 2455.1:2019 or latest Australian Standards. Gibbon Architectural are not responsible for any failure of a tretford product which is caused through moisture related issues, poor or incorrect floor preparation, incorrect installation techniques or any other failures which arise through the installer not following these instructions in conjunction with AS/NZ Standards. Subfloor RH is to be considered satisfactory when relative humidity by the hygrometer test does not exceed 70%.

A primer may be required if installing onto a high porosity sub-floor. Please contact Gibbon Architectural for direction.



The condition of the subfloor must comply with AS/NZS 2455.1:2019, or latest Australian Standards and is the responsibility of the installation contractor to ensure the substrate is correctly moisture tested and properly prepared prior to installation of any tretford products.

[Full Sub Floor Preparation document \(PDF\)](#).

<< Or scan the QR code to view

# Standard Method Specified Adhesive

## MODU-TAK PS

LOW VOC PS specifically formulated for tretford INTERLIFE TILE installations.

**USE OF NON-SPECIFIED ADHESIVES WILL VOID MANUFACTURER'S WARRANTIES.**

**Modu-Tak PS** is a pressure sensitive adhesive formulated to have high levels of resistance to concrete substrates that exhibit high levels of alkalinity – up to pH 12. Refer to : [Modu-Tak PS Tech Data Sheet](#).

## SURFACE PREPARATION:

Floors must be clean, dry sound and smooth in accordance with AS/NZS 2455.1:2019. When adhering to highly absorbent sub-floors, the use of a suitable floor primer is strongly recommended. Modu-Tak PS adhesive can be applied to concrete substrates with moisture contents up to 85% RH and falling when tested with an In-Situ probe method. For concrete substrates with Hydrostatic Pressure, we recommend a suitable 2-part epoxy membrane.

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## ADHESIVE APPLICATION:

“V1” 1.6mm notched trowel

to sub-floor for tretford felt backed carpet tiles.

SPREAD RATE: approx. 5m<sup>2</sup>/litre

## ALLOW ENOUGH TIME:

Allow Modu-Tak PS adhesive film to become “clear”. Once clear, the adhesive is in a dry tack mode and floor coverings may be placed in position. Tack up time will be dependent upon room temperature, humidity, airflow and the substrate absorbency. Always ensure no contaminants come into contact with the adhesive film prior to installing carpet tiles.

## STORAGE AND CLEAN UP:

Modu-Tak PS adhesive should be stored between 10° C and 30°C in well ventilated areas. Shelf life is 12 months in a sealed container. Modu-Tak PS adhesive should be cleaned off any surface and tools immediately with a well dampened cloth. Do not allow to dry. Dried adhesive may be softened using a suitable solvent cleaner.

# Quarter-Turn lay method

As the Australian Distributors for tretford INTERLIFE TILE, we advise that the installation layout is **quarter-turn (chequerboard) pattern** and the **Manufacturer provides warranty and written instructions for this installation method only.**

Because of its unique construction, the tretford INTERLIFE TILE requires a highly technical process to cut precisely between the ribs. The resulting finished tile may not be exactly square, which is why 4 tiles, quarter-turned, resolves any inconsistency.

The edges of the tiles are designed to be undercut on alternate sides so that they ‘lock’ into the opposing sides of the adjoining tile. Whilst this works effectively in a quarter-turn installation, when attempted in brick, ashlar or monolithic, the edge cutting process removes the ability to achieve a ‘seamless’ finish. The contractor will also find that the tiles will ‘run out’. For this reason, tretford will not recommend these methods.

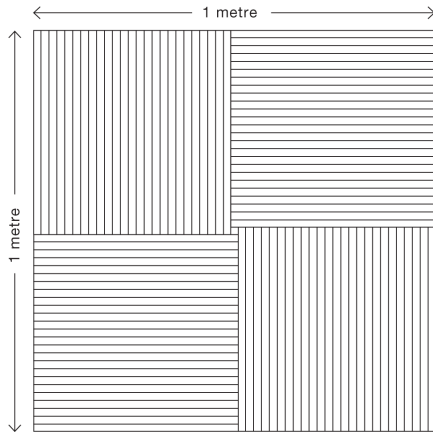
**Optical Illusion:** Because of the highly defined rib definition, when 4 tiles are placed into this grid, there is an optical illusion created where the ribs don’t appear to intersect – which is why this diagram (below) is part of the installation instructions. This appearance is not a manufacturing or installation fault, but purely created due to the characteristic of the ribbed construction.

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**Warranty:** tretford will not be responsible for warranting the finished installation using installation patterns other than quarter-turn (chequerboard) as their concern is to always meet the client's expectation. Should the installation depart from their recommendation, tretford could only give a conditional "Wear Warranty".



- Laying should commence as near as possible to the centre of room, with a square of 4 tiles.
- All tiles should be tessellated ie. laid at **right angles** to each other (see diagram at left).
- **The outside of the square must however be straight and measure 1mtr on all 4 sides.**
- **On completion** - TILES must be rolled with 68kg roller - in both directions. **Roll again in 30 minutes.**
- 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. (Note : not to scale)

# Dual Bond Method

## REGUPOL SONUS MULTI 4.5

## UNDERLAY

# Specified Adhesives

### MUST BE USED TO RETAIN WARRANTIES

- 1) Nexus 880 to bond **REGUPOL SONUS MULTI 4.5 to Substrate**
- 2) Modu-Tak PS to bond **Tretford TILE to REGUPOL SONUS MULTI 4.5**

ANY USE OF NON-SPECIFIED ADHESIVES WILL VOID MANUFACTURER'S WARRANTIES.  
NO SPOT GLUEING BETWEEN CARPET AND UNDERLAY.

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## PART 1)

# REGUPOL SONUS MULTI 4.5 – TO SUBSTRATE NEXUS 880 ADHESIVE :

**Apply recommended adhesive – Nexus 880 – using V1 notched trowel to substrate**

### SURFACE PREPARATION:

All surfaces to be bonded should be dry, smooth, and free of any contaminants that may affect final bond. All surfaces must be prepared in accordance with current Australian Standards 1884 Floor Coverings Resilient Sheet including moisture testing. It is recommended that all highly absorbent sub floors be primed with Nexus 510 Acrylic Floor & Wall Primer prior to the application of adhesive. The minimum sub floor temperature prior to commencing preparation or adhesive application is 10°C. All wooden floors must be well-ventilated from below.

### DIRECTIONS FOR USE:

The installation area, floorcovering and substrate should be kept at the appropriate temperature as required by section 4 of current Australian/NZ Standard 1884. **These temperatures must be consistently maintained 48 hours prior to installation, during and 48 hours after installation.**  
**Apply Nexus 880 to subfloor with a 1.6mm 'V' notched trowel - spread evenly to prepared substrate holding trowel at approximately 60-degree angle.**

### WET SET METHOD

When using the recommended wet set method of installation, spread adhesive and install Regupol Sonus Multi 4.5mm within 15 minutes. Check periodically to make sure there is 100% adhesive transfer to the back. **An hour after installation, roll with recommended roller in both directions.**

### STORAGE AND CLEAN UP:

Nexus 880 High Performance Adhesive can be for 12 months in sealed container at 20°C  
Coverage: Up to 4 m<sup>2</sup>/kg using 1.6mm trowel. Clean tools immediately after use with warm soapy water. Dried adhesive may be softened using a suitable solvent like Nexus 490

## PART 2)

# TRETFORD TILE - TO REGUPOL SONUS MULTI 4.5 – MODU-TAK PS ADHESIVE:

**Apply Modu-Tak PS – using V1 notched trowel to Regupol Sonus Multi 4.5**

Modu-Tak PS is a Low VOC Pressure Sensitive adhesive specifically formulated for tretford INTERLIFE TILE installations, and formulated to have excellent levels of resistance to concrete substrates exhibiting high levels of alkalinity – up to pH 12. Refer to: [Modu-Tak PS Tech Data Sheet](#).

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## **SURFACE PREPARATION:**

Floors must be clean, dry sound and smooth in accordance with AS/NZS 2455.1:2019. When adhering to highly absorbent sub-floors, the use of a suitable floor primer is strongly recommended. Modu-Tak PS adhesive can be applied to concrete substrates with moisture contents up to 85% RH and falling when tested with an In-Situ probe method. For concrete substrates with Hydrostatic Pressure, we recommend a suitable 2-part epoxy membrane.

## **ADHESIVE APPLICATION:**

“V1” 1.6mm notched trowel

to sub-floor for tretford felt backed carpet tiles.

SPREAD RATE: approx. 5m<sup>2</sup>/litre

## **ALLOW ENOUGH TIME:**

Allow Modu-Tak PS adhesive film to become “clear”. Once clear, the adhesive is in a dry tack mode and floor coverings may be placed in position. Tack up time will be dependent upon room temperature, humidity, airflow and the substrate absorbency. Always ensure no contaminants come into contact with the adhesive film prior to installing carpet tiles.

Complete the installation according to the AS/NZS 2455.1:2019 or latest Australian Standards and floorcovering manufacturer's installation instructions. Within an hour after the installation, **roll two times with recommended roller in both directions** .

## **STORAGE AND CLEAN UP:**

Modu-Tak PS adhesive should be stored between 10° C and 30°C in well ventilated areas. Shelf life is 12 months in a sealed container. Modu-Tak PS adhesive should be cleaned off any surface and tools immediately with a well dampened cloth. Do not allow to dry. Dried adhesive may be softened using a suitable solvent cleaner.

**Note:** tretford TILE cannot be used on walls or ceilings as it does not comply with AS/NZ Standards for Fire Testing for this application.

# **Quarter-Turn lay method**

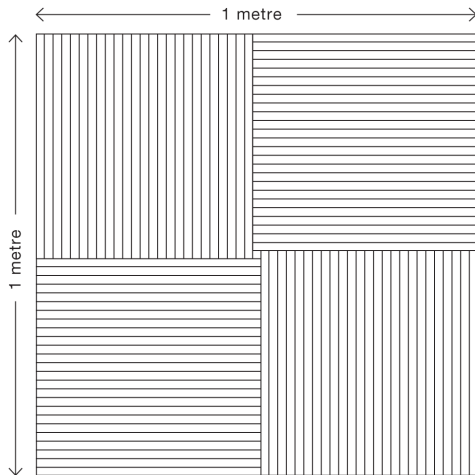
tretford INTERLIFE TILE installation layout is **quarter-turn (chequerboard) pattern** and the Manufacturer provides warranty and written instructions for this installation method only. Refer to the instructions and warranty outlined in the Standard method of Installation (see above).

**Optical Illusion:** When 4 tiles are placed into the grid, an optical illusion is created where the ribs don't appear to intersect. This appearance is not a manufacturing or installation fault, but purely created due to the characteristic of the ribbed construction.

**Warranty:** tretford will not warrant installation patterns other than quarter-turn (chequerboard) as their concern is to always meet the client's expectation. Should the installation depart from their recommendation, tretford could only give a conditional “Wear Warranty”. *(See information below)*

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- 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 (see diagram at left).
- **The outside of the square must however be straight and measure 1m on all 4 sides.**
- **On completion - TILES must be rolled with 68kg roller - in both directions. Roll again in 30 minutes.**
- 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. (Note : not to scale)

## Upon Completion

Allow a minimum of 24-48 hours to allow the adhesives to cure properly before traffic & furniture.

### MATERIALS FOR PROTECTION

#### IMPORTANT

- **Do not cover with any impervious protective material to avoid serious damage to textile floorcoverings due to condensation (AS/NZS: 2455 3.11).**  
Do not cover any portion of the carpet with plastic or any other material that would limit breathability. If the carpet cannot breathe after installation, moisture can become trapped, leading to issues with adhesive not curing, shrinkage or serious damage to the textile flooring causing installation failure.
- Protect the installation from rolling traffic by using sheets of hardboard or plywood in potentially affected areas.

#### Maintain Temperature

- **Maintain temperature of carpeted areas to above 10°C for 48 hours after installation.**