Godfrey Hirst Modular Carpet Installation Guidelines should be reviewed by contract installers prior to commencement of works on site. All installation should be in accordance with AS2455.1:2007 and AS2455.2:2007. Should the installer(s) have any queries in relation to the below recommendations, please contact your commercial representative.

**Pre-Laying Checks**

It is the flooring contractor’s responsibility to verify that the product supplied is the correct product, colour and quantity for the project, prior to installation. Godfrey Hirst will not be responsible for any visible defects after the carpet has been installed.

Godfrey Hirst also recommends the flooring contractor confirm with their client the required installation style (1/4 turn / Brick / Monolithic / Non Directional). Unless otherwise specified by the client, Godfrey Hirst recommends all modular products be installed 1/4 turn. Due to the design of some tile patterns installation of individual tiles within the layout may need to be repositioned with another tile to avoid dark or light lines occurring at the seams. This is not a manufacturing defect.

**Site Testing and Conditioning**

Sub floor must be tested for moisture in accordance with AS2455.1:2007 and AS2455.2:2007 using the “hood method” for RH testing. All Godfrey Hirst tiles are guaranteed to perform up to an RH level of 80% and a pH level of 12 without the use of a moisture barrier. If the RH level exceeds 80% or the pH level exceeds 12, please contact your local Godfrey Hirst commercial representative prior to commencing installation.

Godfrey Hirst modular tiles (and any adhesives if being used) must be allowed to condition on site for a minimum period of 24 hours, at a minimum temperature of 15°C and a maximum temperature of 35°C. The temperature must remain within this range for the entire installation period and a minimum of 48 hours after installation completion. The relative humidity of the area where the tiles are to be installed must not exceed 75% or fall below 30%.

**Floor Preparation/Adhesive Recommendations (if applicable)**

See appropriate instructions below depending upon whether you are installing EnviroBac® and EnviroBac Plus® or EasyGrip™ modular products

**Installation Procedure**

Directional arrows are printed on the back of all modules. It is the responsibility of the installation contractor to confirm the required installation method/direction with the client. Unless otherwise specified Godfrey Hirst recommends ¼ turn installation.

Please refer to either Godfrey Hirst Specifications or Project Specifications in relation to the direction of the installation. Seams may be more or less apparent dependant on installation method. Direction of the installation will not affect the performance of the product.
Installation Instructions

Installation should commence at the intersection of two chalk lines at 90° as shown in Diagram 1 below. Chalk lines must be as close as practicable to the centre of the room/area, running parallel to the longest wall. It may be necessary to shift the centre line to ensure border tiles are a minimum of ½ width, unless otherwise specified in the overall design scheme.

Installation must continue until the completion of a quadrant prior to moving onto another adjoining quadrant. Installing modules using the pyramid method allows multiple alignment checks.

Slide tiles into position to prevent yarn from being trapped between the modules. Trapped yarn may adversely affect the overall appearance of the installation and cause alignment problems.

Modules must be installed using an even tension. Space gained during installation should equal 5mm measured over 11 tiles (10 joins). If sufficient space is not maintained, peaking and buckling may occur.

Cutting

GH modular carpet must be cut from the backing side using a straight edge. Templates should be utilized around columns/curved areas etc.

Post Installation

It is recommended that plywood be placed over modules during the removal or replacement of furniture or any heavy objects within 24 hours of the installation. Should plastic sheeting be required post installation it is the responsibility of the contractor should any condensation occur.

All Godfrey Hirst modular tiles are not recommended for use on a separate underlay. Godfrey Hirst does not guarantee the stability or performance of tiles if laid on a separate underlay. Godfrey Hirst is not responsible for subfloor conditions. It is the responsibility of the installer to obtain a successful installation.
ADHESIVE INSTALLATIONS

Floor Preparation

Sub floor must be dry, free of dust, dirt, oil, grease, paint or any other materials which could adversely affect the adhesion of GH modular carpet to the floor. The sub floor must be level and smooth. Depressions and cracks must be filled using an approved levelling compound in accordance with the manufacturer’s instructions. All protrusions must be levelled.

High porosity floors must be primed in accordance with AS2455.1:2007. Godfrey Hirst recommends RLA GS 400 Premium Wall and Floor Primer or Holdfast Primer 88 or their equivalents. It is the responsibility of the installation contractor to apply an appropriate primer prior to commencement of carpet installation.

Raised access floor panels must be secure, smooth and level and gaps between panels must not exceed 1.6 mm. To minimise air-floor leakage and maximise occupant comfort and operational costs, Godfrey Hirst recommends installation of all modular product “Off Grid” from the access panel seams.

Timber sub floors must be prepared utilising a hard underlay in accordance with the manufacturer’s instructions. In accordance with AS2458 and/or BS1142 reduced density or medium density fibre board types MDF and MDFMR or medium density fibrous cement sheet is acceptable.

Underfloor Heating must be switched off 48 hours prior to installation and not turned back on for a minimum of 48 hours after completed installation. Turning heating elements back on prior to the 48 hour curing time may affect the performance of the adhesive. Heating surface temperature must not exceed 27°C.

Healthcare facilities may require the sub floor to be sealed. Godfrey Hirst recommends products such as Roberts Medi-Seal Plus or equivalent, used in accordance with the manufacturer’s instructions.

Adhesive Recommendation / Application

Godfrey Hirst recommends the use of Green Solutions - GS GHM 444 solvent free, pressure sensitive adhesive or Holdfast 410 solvent free pressure sensitive adhesive to be used in accordance with the manufacturer’s instructions. Should the surface RH exceed 70% when tested in accordance with AS/NZ 2455 Parts 1 + 2 using the hood method, then Green Solutions - GS GHM 444 or Holdfast 410 solvent free pressure sensitive adhesive, must be used. Application rates must be determined by the installation contractor as this will be subject to subfloor conditions. For further information regarding application rates, recommendations and warranties, please contact your adhesive manufacturer.

GH Modular tiles require 100% application of adhesive.

Application of adhesive to the sub floor is to be via either a long nap roller or a V notched trowel. Application rates will vary dependant on the porosity of the sub floor and should be in accordance with the manufacturer’s instructions.

It is the installer’s responsibility to ensure the sub floor condition and adhesive application rate allows the carpet tiles to be securely stuck yet easily uplifted as required.

Adhesive must be given sufficient time to ‘tack off’ and almost dry prior to laying of carpet modules. If the product is laid into wet adhesive, a permanent bond may occur.
EasyGrip™ INSTALLATIONS

EASYGRIP TILES ARE MANUFACTURED FOR INSTALLATION WITHOUT ADDITIONAL ADHESIVE. This backing system will only perform properly when the subfloor preparation and installation guidelines outlined below are followed.

Floor Preparation

Sub floor must be dry, free of dust, dirt, oil, grease, paint or any other materials which could adversely affect the adhesion of Godfrey Hirst modular carpet to the floor. The sub floor must be level and smooth. Depressions and cracks must be filled using an approved levelling compound in accordance with the manufacturer’s instructions. Gypsum based compounds are not recommended. All protrusions must be levelled.

To effectively prevent any lateral movement of EasyGrip™ tiles it is required that ALL DUST and DIRT must be removed from the floor prior to installation. EasyGrip™ tiles must not be installed over surfaces contaminated with oily residues.

Sealing or other post treatment of concrete floors is to be determined by the installation contractor. In general properly cured steel trowel finished concrete requires no additional treatment. Excessively porous or dusty concrete slabs are the only exception.

Raised access floor panels must be secure, smooth and level and gaps between panels must not exceed 1.6 mm. To minimise air-floor leakage and maximise occupant comfort and operational costs, Godfrey Hirst recommends installation of all modular product “Off Grid” from the access panel seams.

Additional Installation Instructions

Supplementary use of a wet adhesive or double sided tape is required when EasyGrip™ tiles are required to be installed:

- on ramps
- in areas where walls are not flush with the sub floor
- modules are cut into sizes less than 30cm
- areas subject to heavy rolling traffic

EasyGrip™ tiles are not suitable for outdoor use.

IMPORTANT WARNING: Godfrey Hirst’s Modular Tile Installation Guidelines are intended to assist in achieving an optimum installation. Any variation to the recommendations above by the installation contractors on site may affect the warranty.

For further information, please contact your local Godfrey Hirst Commercial Sales representative.