Installation
Manual

Interface®

February 2020 Edition

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Carpet Installation Manual

Contents & Appendices

Interface®

This manual has been prepared by the Interface technical division to assist professional contractors and layers in the installation of Interface and Heuga modular carpet. It is recommended that all Interface products are installed by Interface approved and accredited installers.

These instructions cover the most common installation circumstances. If a particular installation condition is not covered, the contractor should contact an Interface representative.

If Interface or heuga modular carpet is installed before construction is complete, any resulting staining, soiling, contamination or damage caused by building construction may void the end user's product warranty. The contractor should inform the appropriate person of this warranty implication.

01 Before Starting

It is the responsibility of the contractor to verify, before the installation, that material supplied conforms to owner's specifications, including correct product, colour and quantity.

Labels on each carton contain important information including: product, colour and manufacturing batch (dye lot information).

It is not recommended to mix dye lots in the same area, with the exception of the i2® collection of products as they possess mergable dye lots.

Take particular notice of installation codes printed on cartons as this indicates the manufacturers' recommended installation method. However the client's preferred installation method should be confirmed and signed off by the installer before commencement of installation.

02 Conditioning of Materials

The installation location must stay within 15.5 degrees C – 29.5 degrees C with relative humidity between 40% - 60% for a period of 48 – 72 hours before, during and after the installation. The heating and air conditioning system should be operational during this period. All carpet tiles must be removed from the cartons and allowed to adjust to the job site temperature for 48 hours prior to installation.

03 Floor Preparation

The subfloor must be rigid, dry, smooth, flat, level, sound, clean and free from harmful materials. When installing GlasBac® modular carpet products, no bitumen based substance must come in contact with the GlasBac® backing.

The subfloor must be rigid to stop modular carpet from cupping.

Old carpet, under felt, loose laid vinyl, cushion backed vinyl and any old adhesive must be removed and floor scraped clean.

A clean floor – Floor should be free from all dirt, dust and harmful materials. Before applying InterTac™ PLUS sweep/mop and vacuum the subfloor to remove all dust. Concrete or timber floors must be primed with an approved primer such as GS400 before application of InterTac™ PLUS.

A dry floor – All floors must be dry. New concrete floors must be checked for moisture as per Interface recommendations.

Moisture content must not exceed levels as indicated in Appendix 1 of the Interface Installation Manual. **If the moisture content is above the recommended maximum readings STOP and DO NOT PROCEED with the installation. Refer to Interface moisture & pH guidelines or seek further advice from Interface before proceeding.**

A low pH floor – The subfloor should have an alkalinity level of between pH7 & pH11 to be suitable for GlasBac carpet installation (Refer to Appendix 1). **Should the pH level be outside this range STOP and DO NOT PROCEED with the installation.**

Note: Higher RH & pH readings are permissible with CushionBac RE and MG1 backing systems - Refer to 02 - Moisture and pH test result recommendations for further detail or contact Interface.

Note : When installing non impervious backed floor coverings, water based adhesives, apart from pressure sensitive adhesives, cannot be used on a sealed floor .

Identify the Type of Floor

New concrete floors – Must be smooth, level and dry as per Appendix 1 & 2.

Old concrete floors – Remove paint, sealer, grease, oil, adhesive and any harmful materials, especially bituminous based substances which are not compatible with GlasBac modular carpet products. All existing adhesive must be removed from the floor. Fill and level all cracks and holes. Bring surface up to specification as in Appendix 1 using an approved levelling compound eg. Roberts 25 or equivalent, in accordance with manufacturer's directions. This levelling compound needs to be compatible with the backing system.

Any existing carpet, under felt, loose laid vinyl, cushion back vinyl and all existing adhesive must be removed and the floor scraped clean.

Vinyl Tile and Vinyl or Linoleum sheet – Damaged and loose vinyl tiles, vinyl or linoleum sheet must be replaced or patched and all existing wax coated products are to be removed. Any existing bituminous based adhesive or underlay are to be removed when installing GlasBac modular carpet products.

Ensure that the bond between vinyl tiles, vinyl or linoleum sheet and subfloor will last the service life of the modular carpet.

If a sealer is used, any reaction shall be the contractor and end-user's responsibility.

Ceramic and quarry tiles – All joints are to be filled and levelled as per Appendix 1. Use rough Sandpaper to remove surface glaze.

Wood Floors – Unless the subfloor is free from grooves, ridges, gaps, holes or similar imperfections, the use of a hard underlay is recommended.

Underlay – The underlay should be either reduced density, as per AS2458 medium density fibre board types MDF and MDFMR in accordance with BS1142, or medium density fibrous cement sheet known as hard underlay. The underlay and the fixing material must be compatible with the Interface modular carpet and InterTac^{TM} PLUS adhesive. Installation shall be in accordance with the underlay manufacturer's instructions.

Sealer / Moisture Barrier – If a sealer is used on a concrete floor it must be compatible with vinyl and can be either a solvent or water based sealer which can be acrylic, epoxy, urethane or chlorinated rubber. Sealers must also be used in accordance with manufacturer's directions. If in doubt, coat sealer on back of the tile and leave overnight. It is not suitable for use if it remains sticky.

An example of suitable products to use for sealing against Hydrostatic moisture problems would be - WPM300 from ARDEX or RL20 from RLA Polymers.

An example of a suitable product to use for sealing against new build green slab moisture problems would be - GS420 Nu Slab Seal from RLA Polymers.

04 Installation Set Out

General

In setting up, a point in the room shall be determined from which modular carpet can be laid to ensure that they are parallel to the longest wall.

Procedure

The procedure for setting out shall be in accordance with the following, as shown in Figure 1.

Step 1

Mark a line EF parallel to the longest wall.

Step 2

Mark point X along line EF at a distance to ensue that the requirements of perimeter modular carpet are a minimum of 1/3 width.

Step 3

Mark points J1 and J2 at a distance of 3 m each side of X.

Step 4

At J1 and J2 scribe an arc at a distance of 5 m to establish point K where arcs intersect.

Step 5

Draw a line through points K and X which will be 90 degrees to line EF.

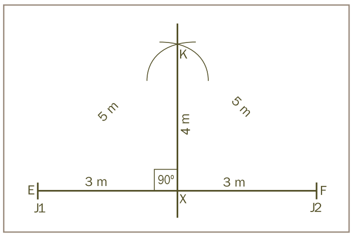


Figure 1

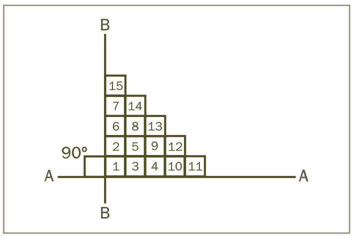


Figure 2

Single Room Installation

Step 1

Establish two chalk lines at 90 degrees as shown in Figure 1. This line may be established slightly off centre to enable you to meet other requirements, such as placing uncut modular carpet in traffic areas.

Step 2

Commencing only at the cross point of the two chalk lines, complete one row of modular carpet on each side of the centre line.

Step 3

Anchor your basic installation as shown in Figure 2. Complete the body of the installation by laying in a triangular method.

Step 4

Complete the remaining quadrants, section by section.

Note: Where practical there should be uncut modular carpet tiles in door ways and high traffic areas.

Large Area with Obstacles

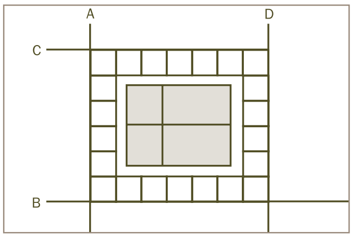


Figure 3a

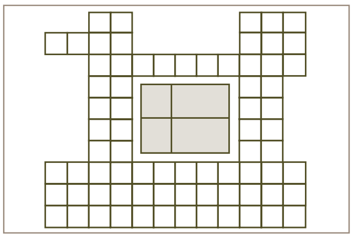


Figure 3b

Example: An Elevator

Step 1

Establish your starting point as shown in Figure 3a, with the A-B at 90 degrees.

Step 2

Pass your obstacle along line A and B with a minimum of 1 and 1/3 modular carpet. At this point you will establish line C and D, parallel to line B and A.

Step 3

Complete modular carpet between A and B. (Notice, only a single row of modular carpet is used for this exercise).

Step 4

Continue to anchor your installation. Fill in the remaining quadrants as shown in Figure 3b.

Office Complex

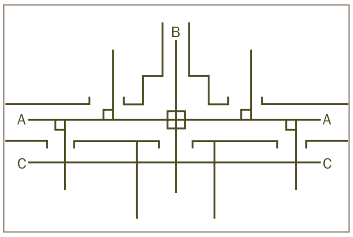


Figure 4

Step 1

The crossover point, centre corridor, centre hall is the starting point for this example as shown in Figure 4. Line A and B should again be at 90 degree angles.

Lay a row of modular carpet on each side along chalk line A. At the entrance of each office passed, a chalk line is projected into that office at 90 degrees. Complete your corridor including cutting.

Step 2

Lay the modular carpet into the offices and anchor the installation. This will create line C parallel to line A. The total installation is lined out. Complete the body of installation by laying in a triangular method as shown in Figure 3.

Step 3

Complete all cut modular carpet in the corridor, including door ways. Lay and anchor modular carpet along line C. Fill in the remaining parts.

Borders

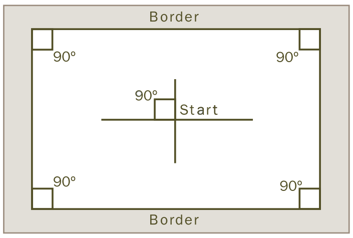


Figure 5

Set out chalk lines at the required distance for the border and/or field colour modular carpet. Ensure all 90 degree angles are correct. Use these chalk lines as wall lines and cut modular carpet up to these lines. Cut border modular carpet in from chalk line to compensate for any irregularities in the wall. Refer to Figure 5.

Note: A new long nap roller should be used at the start of each installation.

Note: In certain conditions, such as under hospital beds, on ramps or in areas that may be subject to high traffic abuse, a stronger bond to the subfloor may be required.

For a stronger bond (non CushionBac) a higher weight of adhesive should be applied :eg V1 notch trowel. The tile is then installed into semi-tacked up InterTac^{TM} PLUS adhesive allowing for some adhesive transfer to occur.

Note : Tack up time will be relevant to humidity in the work area and general site conditions.

05 Anti-slip Compound – InterTac^{TM} PLUS

All Interface modular carpets require 100% application of InterTac^{TM} PLUS, unless utilising TacTiles, or otherwise specified by manufacturer.

InterTac^{TM} PLUS is a low odour, solvent free pressure sensitive adhesive containing Intersept. (Interface anti-microbial additive)

The subfloor should be prepared to AS/NZS2455:1 and Interface requirements.

An approved primer such as GS400 must be used on all porous surfaces.

Before application of InterTac^{TM} PLUS the subfloor should be vacuumed and washed to remove all dust from the subfloor.

06 Application of Adhesive

InterTac^{TM} PLUS is a pressure sensitive compound. For all products application of InterTac^{TM} PLUS is by long nap roller achieving a spread rate of 10-14m^2 per litre depending on the condition of the substrate. On non-porous floors the rate of application will change and a spread rate greater than 14m^2 per litre may be obtained in some cases.

Adhesive application should not commence until moisture and pH readings of the subfloor have been taken and the subfloor deemed within specified requirements. If the subfloor moisture or pH readings are higher than recommended the installation should not commence until remedial action is taken. Refer to Appendix 1 & 2.

It is mandatory that InterTac^{TM} PLUS must tack up before use. Colour must change from green to clear and it must not transfer.

Users assume all risk and liability resulting from the use of InterTac^{TM} PLUS. It is recommended that users carry out project specific trials to confirm the suitability and application of InterTac^{TM} PLUS.

Note: A new long nap roller should be used at the start of each installation.

Note: In certain conditions a stronger bond to the subfloor may be required. For a stronger bond the tile can be installed into semi-tacked up InterTac^{TM} PLUS adhesive allowing for some adhesive transfer to occur. This may create difficulty in lifting the tile and in extreme cases may cause damage to the tile backing system.

Note: When using TacTiles in a GlasBac or GlasBacRE installation the TacTile is usable for two installations after which a new TacTile should be used.

Note: When using TacTiles in a Graphlex or Graphlar installation the TacTiles will require replacement for each installation change.

Note : All Graphlar & Graphlex products must use Graphlex Tactiles.

Note : Standard tactile must be used for all Products on GlasBac and GlasBacRE backing.

Note : A TacTile must be applied under every cut tile abutting the field tiles.

07 TacTiles®

GlasBac & GlasBacRE Backing Systems – Standard TacTiles must be used in the installation of both GlasBac and GlasBacRE carpet tile. To lift existing carpet tiles simply peel the carpet tile from the TacTiles and fit a new carpet tile to the existing TacTiles.

Standard TacTiles is not suitable for use on Graphlex or Graphlar installation.

Graphlex & Graphlar Backing Systems – Graphlex branded TacTiles must be used for the installation of Graphlex or Graphlar carpet tile. Where carpet tiles are replaced TacTiles will require replacement for each installation change to maintain integrity of the installation.

Graphlex TacTiles is not suitable for use on GlasBac or GlasBacRE installation.

TacTiles reach maximum bond strength after four hours.

TacTiles can be installed directly over wood, ceramic, marble and stone floors with minimum floor preparation as long as moisture and pH levels are within Interface recommendations. Refer to Appendix 1 & 2.

Once the installation is completed and then maintained in line with Interface installation and maintenance recommendations TacTiles will be effective for the life of the installation providing they are not removed or replaced.

Rolling Loads – TacTiles can be used under areas that will be subjected to normal commercial rolling load applications. Eg: Castor Chair, Hand Trolleys or similar.

For areas that will be subjected to heavy rolling loads such as pallet trolleys, fork lifts, scissor lifts, etc, please contact Interface Technical Services for project specific advice.

Ramps – TacTiles is not recommended for use on ramped floor areas. The use of InterTac™ PLUS pressure sensitive adhesive is recommended when installing modular tile to ramped floor areas.

For brick and ashlar installations, if needed, TacTiles connectors can be applied at all joints. This is not required but left to the dealer's discretion when conditions suggest additional TacTiles connectors are necessary.

Note : TacTiles cannot be used for installation of CushionBac RE products.

08 TacTiles® Placement

500 x 500 Modular Tiles

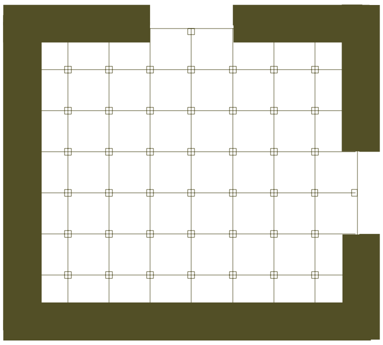
For Quarter Turn / Monolithic / Non Directional Installation methods

A TacTile should be placed under every corner of each tile across the installation area and all cut tiles abutting the field tiles.

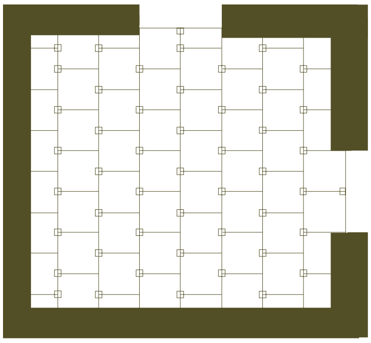
For Brick or Ashlar Installation methods

A TacTile should be placed on every other corner across the installation area and all cut tiles abutting the field tiles.

TacTiles should be applied based on the following diagrams.



Quarter-Turn / Monolithic / Non-Directional Installation methods will require 4 TacTiles per square metre.



Brick or Ashlar Installation methods will require 4 TacTiles per square metre.

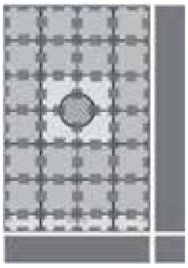
1000 x 1000 Modular Tiles

Applying TacTiles connectors

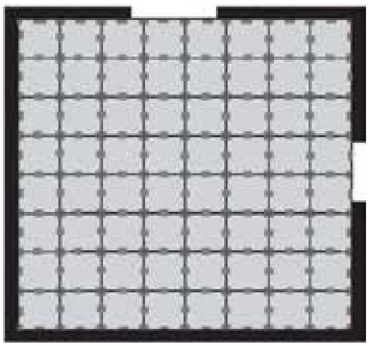
The TacTiles application rate for 1 meter tiles installed monolithic, Quarter-Turn and Non-Directional is 3 TacTiles per square meter.

The TacTiles application rate for 1 meter tiles installed in Brick and Ashlar is 4 TacTiles per square meter.

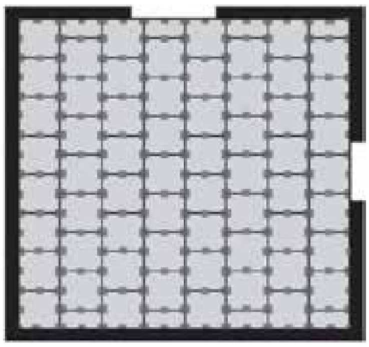
A TacTile should be attached at each corner and at the midpoint of each seam as illustrated below.



Insert tiles based on approved installation method. TacTiles connectors should be applied based on the following diagrams



Quarter-Turn / Monolithic / Non-Directional Installation methods will require 3 TacTiles per square metre.



Brick or Ashlar Installation methods will require 4 TacTiles per square metre.

Plank Tiles

Applying TacTiles connectors

NOTE: The average number of TacTiles connectors needed depends on the size of the plank and the installation method used.

Pattern	50cm x 1m Plank	25cm x 1m Plank
Quarter Turn	3 TacTiles per m^2	7 TacTiles per m^2
Ashlar	4 TacTiles per m^2	8 TacTiles per m^2
Herringbone	4 TacTiles per m^2	7 TacTiles per m^2

Some applications may require an additional TacTile connector in the centre where tile edges meet. Consult your local Account Executive or the Interface 24/7 Help Line 1800785277 for assistance.

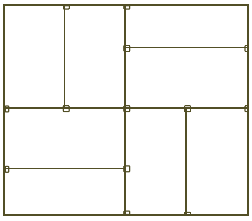
TacTiles connectors should not be used on stairs, ramps or inclines

Lay anchor rows, placing a TacTile connector at every joint. Install carpet using a step method placing a TacTile connector at every corner.

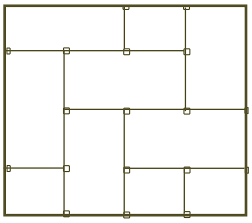
Insert tiles based on approved installation method. TacTiles connectors should be applied based on the following diagrams

50CM X 1M placement

Quarter -Turn Installation

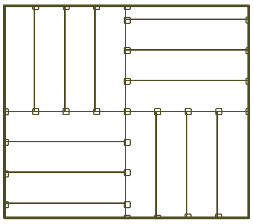


Herringbone Installation

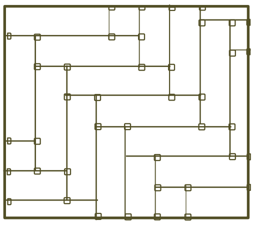


25CM X 1M placement

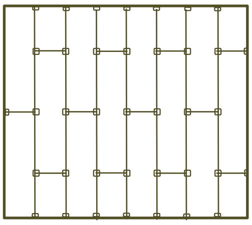
Quarter -Turn Installation



Herringbone Installation



Ashlar Installation



TacTiles®

Note: TacTiles are not recommended for installation of carpet tiles to stairs

Note: A TacTile must be applied under every cut tile abutting the field tiles.

Note: Glasbac & GlasbacRE Backing Systems (Standard TacTiles must be used)

TacTiles will be effective for the life of the installation. It is recommended that a new TacTile is installed each time a tile is lifted.

Note: Graphlex & Graphlar Backing Systems (Graphlex TacTiles must be used)

Graphlex TacTiles will be effective for the life of the installation. It is recommended that a new TacTile is installed each time a tile is lifted.

Where carpet tiles are replaced TacTiles will require replacement for each installation change to maintain the integrity of the installation.

09 TacTiles Subfloor Preparation Requirements

TacTiles can be installed directly over wood, ceramic, marble and stone floors with minimum floor preparation as long as moisture and pH levels are within Interface recommendations. Refer to Appendix 1 & 2.

Notes on Subfloor Moisture and pH requirements

Moisture Test Method

Hygrometer

The moisture content measured by Hygrometer shall not be greater than 99% RH by In Situ Probe and 87% RH by Sealed Hood. For use of TacTiles with higher readings refer Appendix 1 & 2.

Subfloor pH requirement

Required to be pH12 or less when using TacTiles alone. For use of TacTiles with higher readings refer Appendix 1 & 2.

NOTE: If the subfloor exceeds the required moisture and pH requirements the installation of a barrier coat is recommended to prevent future issues from rising moisture and pH.

Failure to carry out the correct subfloor preparation or remedial works may result in voiding of the product warranty.

TacTiles are only available, and warranted, for use with Interface carpet tiles. No warranty exists for use of TacTiles with any other manufacturers floor covering.

Standard TacTile is only suitable for installation of GlasBac & GlasBacRE carpet tile. Not to be used with Graphlex or Graphlar backing systems.

Graphlex TacTile is only suitable for installation of Graphlex & Graphlar carpet tile. Not to be used with GlasBac or GlasBacRE backing systems.

Note : TacTiles cannot be used for installation of CushionBacRE products.

10 Underfloor Heating

Interface modular carpet may be installed on internally heated floors provided that the surface temperature will not exceed 27 degrees C.

Underfloor heating must be turned off 48 hours prior to commencement of installation and shall not be turned on again until 48 hours after installation is completed to allow the adhesive to set.

11 Laying Direction

Note: All needle punch products must be installed Quarter Turn.

All Interface modular carpets should be installed as per the directions printed on the carton. Installation methods & codes printed on the cartons are (500 x 500 & 600 x 600 tiles):

ASH	Ashlar
BRK	Brick
DIR	Directional/Monolithic
QTR	Quarter Turn
RDM	Random/Non-Directional

The following installation options are for 500mm x 1m and 250mm x 1m PLANK Tiles:

ASH	Ashlar
HER	Herringbone
QTR	Quarter-Turn

It is the installers responsibility to confirm the installation method prior to commencement on installation.

12 Commencing the Installation

Apply InterTac^{TM} PLUS as recommended. Lay one row of modular carpet down each side of the chalk line, then install the modular carpet using the stair method. This will quickly pin point if the grid is running out of alignment.

Alignment

As modular carpet is butted against each other, continually check (with fingers) that the joints are properly aligned. Do not install modular carpet that is out of square by more than 1mm.

Tension

Ensure an even tension throughout the installation as this is vital to the overall appearance.

Lack of tension and pile entrapment may cause poor performance and will impair the appearance of the finished installation.

Over tension of the installation may cause peaking of the tile.

The cumulative space gained in 500 x 500mm GlasBac or Graphlar® modular carpet products should be 5mm, measured over 11 modular carpet squares (10 joins). Any gain less than this may cause peaking and or buckling.

NOTE: Modular carpet cut on an angle or a cut edge that is exposed to heavy foot or wheeled traffic may need to be sealed with latex.

Cutting

All Interface modular carpet must be cut from the backing side by overlaying the modular carpet, marking and cutting. A template should be used around columns.

Step 1 Firstly effect a light cut without attempting to cut right through.

Step 2 Then crack the modular carpet along the line cut.

Step 3 Complete by cutting right through the fibres with a straight utility or hook knife.

Step 4 Ensure that the tile is cut in hard up to the walls to assist in locking in the installation.

NOTE : When abutting Interface carpet up to a hard surface finish or edge trim the top of the carpet pile should be level with the top of the hard surface or edge trim. If the carpet pile sits higher than the hard surface or edge trim and is exposed to high levels of traffic this may cause damage to the carpet edge.

13 Access Flooring

On Grid Access Flooring Installation – GlasBac®OG 600 x 600mm modular carpet

The installation of GlasBacOG differs from traditional on grid carpet laying in that you **do not** butt up the tiles to each other. Instead, installation is by placing the modular carpet locating buttons (attached to the backing) into the matching positioning holes on the access panel. InterTac^{TM} PLUS adhesive is not required. The locating buttons limit movement of tiles on the access panels.

Note: On access floors an application rate for InterTac^{TM} PLUS of over 14 m^2 per litre may be achieved in some cases when applied by a roller.

Off Grid Access Flooring Installation – 500 x 500mm modular carpet

On access floors, off grid installation will mean that the edge of the modular carpet does not correspond with access floor panel joints.

Installation as per standard Interface modular carpet installation instructions.

InterTac^{TM} PLUS adhesive and TacTiles are both suitable for modular tile installation over access flooring.

On access floors an application rate for InterTac^{TM} PLUS of over 14m^2 per litre may be achieved in some cases when applied by a roller.

14 Stairs

Stairnosing

Interface modular carpet cannot be installed over the nose of a stair.
A metal or rubber nosing must be installed.

Riser

Apply InterTac^{TM} PLUS to both the tile backing and the riser.

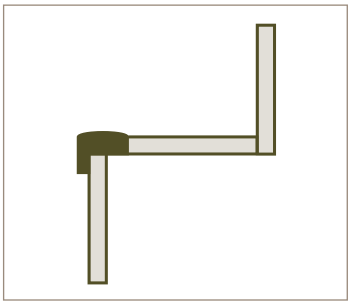
Allow InterTac^{TM} PLUS to tack up and place carpet for the riser in position.

Tread

Apply InterTac^{TM} PLUS to 100% of tread.

The tread should be fitted after the riser to allow the tread carpet to hold the riser

Note: It is important to bring the modular carpet right up to the underside of the nosing, flush with the tread, as this will support the leading edge of the nosing and prevent it rocking and coming loose. Do not bend modular carpet over the edge of stair steps.



15 Installing Fixtures & Furniture after Modular Carpet Installation

To avoid dislodging modular carpet during furniture and fixture placement, place standard sheets of plywood or cardboard over the complete installation.

If plastic type protection is used, any condensation is the responsibility of the contractor. Do not position adhesive tape on pile of modular carpet.

16 Finish

It is recommended that all products be checked thoroughly after installation for tuft sprouts and that any noticeable sprouts are napped as part of the finishing process.

Edge Restraint – In the event of an open perimeter area a fixed reducer strip anchored to the floor is recommended. The edge restraint should be the same height as the carpet and finish level with the carpet pile ensuring a smooth transition from one surface to the other.

Nap all slivers and tuft sprouts using napping shears.

It is recommended that all products be checked thoroughly after installation for tuft sprouts and that any noticeable sprouts are napped as part of the finishing process.

Apply a final Vacuum or pile lifting process.

Ensure that the overall finished appearance is consistent throughout. Correct any defects including incorrect arrow direction.

Upon completion, a further vacuum or pile lift may be required. It is essential that lighting be in service to allow inspection under good lighting conditions.

17 Conclusion

Any variance from any of these instructions will become the responsibility of the contractor and not the manufacturer and shall void all other wise applicable warranties.

These installation procedures are recommended by the manufacturer and installation should only be carried out by experienced and competent carpet installers. Strict adherence to these procedures will result in a quality installation under most conditions. Any situation that can alter the installation procedure, such as the identification of defect material or unusual installation conditions, creates a responsibility for the contractor to notify both the owner and the manufacturer before proceeding.

Any variance from any of these instructions will become the responsibility of the contractor and not the manufacturer and shall void all other wise applicable warranties.

18 Interface CushionBac RE™ Modular Carpet

CushionBac RE tile requires the use of InterTac™ PLUS to be applied with a long nap roller. For all other installation detail follow standard procedures as set out for standard backing systems.

19 CushionPlus RE^{TM} underlayment modules

Installing on site for single 500 x 500 tiles -
#   Cut the 1mt x 1mt CushionPlus RE^{TM} underlay into 500 x 500 sections.
#   Apply InterTac^{TM} PLUS adhesive to the subfloor with a long nap roller
#   Allow adhesive to tack up
#   Install the CushionPlus RE^{TM} underlay into the adhesive
#   Roll with a light roller to ensure all air bubbles are removed and that there is full contact between the subfloor and the underlay backing
#   Apply InterTac^{TM} PLUS with a V2 (2.4mm) notch trowel to the surface of the underlay
#   Allow adhesive to tack up
#   Install the carpet tile into the adhesive
#   Roll with a light roller to ensure full contact of the carpet with the adhesive

Preparing single tiles at the warehouse -
#   Lay out the 1mt x 1mt piece of CushionPlus RE^{TM} underlay
#   Apply InterTac^{TM} PLUS adhesive to the underlay surface with a V2 (2.4mm) notch trowel #   Allow adhesive to tack up
#   Install carpet tile into the adhesive
#   Roll with a light roller to ensure full contact of the carpet backing with the adhesive
#   Carefully cut around tile edges to produce 4 individual CushionBac tiles

On site -
#   Remove existing carpet tile that is to be replaced
#   Apply new InterTac^{TM} PLUS to the floor with a roller
#   Allow adhesive to tack up
#   Install new carpet tile
#   Roll with a light roller to ensure full contact of the carpet with the adhesive

Large areas -
#   Prepare the subfloor to Interface requirements
#   Apply InterTac^{TM} PLUS to the subfloor with a long nap roller
#   Install the CushionPlus RE^{TM} underlay into the adhesive then roll the underlay with a light roller to remove any bubbles and ensure full contact with the adhesive
#   Apply InterTac^{TM} PLUS to the surface of the underlay with a V2 (2.4mm) notch trowel
#   Allow adhesive to tack up
#   Install the carpet tile into to adhesive
#   Roll with a light roller to ensure full contact of the carpet with the adhesive

20 Moisture Guard 1 – MG1 backing System

Moisture Guard 1 (MG1) consists of a thin layer of PET scrim and is applied to the back of our standard backing during production.

The MG1 PET scrim has zero moisture regain and allows moisture vapour rising from the subfloor to move through the scrim and vent at the joins.

This allow for fully Warranted installation of Interface carpet with MG1 backing and installed with IInterTac^{TM} PLUS over a subfloor with readings as follows –

RH when tested by In Situ Probe – 99%RH
RH when tested by surface hygrometer – 87%RH
pH – pH12

Installation process as per normal carpet tile

21 Interface Sheet Goods – Unbacked

Apply 100% adhesive such as Roberts R100 or Roberts 95 by trowel. If installing to areas that will be subjected to excessive steam cleaning, ie.; hotel bar areas, gaming rooms etc., use adhesive such as Roberts 200 or Polymer 265.

22 System 6+ 1m x 1m Impervious Sheet System

Installation Method

The installation of 1m x 1m sheets to provide a moisture impervious installation can be carried out in the following installation methods:

InterTac™ PLUS
Utilising InterTac™ PLUS adhesive to hold the sheets in position and seam sealing of the carpet sheets to each other to provide impervious seams.

InterTac™ PLUS Installation method

1. Vacuum / sweep the subfloor.
2. If it is required to seal the floor against spills apply the selected floor sealer to manufacturer's recommendations..
3. If a floor sealer is not being used and the subfloor is deemed to be porous the floor should be primed with an acrylic based floor primer.
4. Set out the grid line for the 1m x 1m sheet.
5. Apply InterTac™ PLUS as per recommendations set out in the Interface Installation Manual.
6. Once the InterTac™ PLUS has tacked up install your first sheet to the grid line.
7. Apply a maximum 3mm bead of seam sealer to the sheet edges being careful to only apply seam sealer to the sheet backing and not the yarn.
8. Install the next sheet by sliding the new sheet into the already installed sheet being careful not to force seam sealer up onto the yarn.
9. Follow this procedure for the balance of the area.

Note: Any seam sealer that gets onto the yarn or sheet face should be immediately removed with a wet cloth before the sealer has cured. Once the seam sealer is cured it will require cleaning with a solvent based cleaning solution.

Note: Any seam sealer that gets onto the yarn or sheet face should be immediately removed.

Floor Sealer Recommendation

If sealing of the substrate is required, Interface recommend the use of GS420 or Mediseal from RLA. Please contact RLA directly for further information on these products.

While still wet the seam sealer can be removed with water.

Interface Seam Sealer

Interface Seam Sealer is a high strength water based seam sealing adhesive designed to provide a moisture impervious seam.

Seam Sealer Application method

1 Installation temperature of working area and substrate is to be a minimum of 10 degrees C and a maximum of 30 degrees C.

2 Carpet edges must be clean & dry.

3 Starting at one end of the seam apply a 3mm continuous bead to the base of the carpet sheet backing ensuring no sealer is on the yarn.

4 Slide the next sheet into the seam while the seam sealer is still wet ensuring that no seam sealer is forced up onto the yarn.

5 Remove any excess wet seam sealer with water on a clean damp cloth.

6 Allow seams to fully dry for 24 hours before allowing traffic.

Once sealer is dry it will require a stronger cleaning solution to remove.

Note: In areas where a fully sealed floor covering is installed the use of floor sealer is not obligatory.

Seam Sealer Maintenance Requirements

1. If spillage on the seam occurs, prevent any traffic on the seam until the spillage has been cleaned and fully dried.
2. Clean spillage on seam immediately with water. If left for longer periods the sealer will attract dirt and may become difficult to remove.
3. Only water-based cleaners should come into contact with the seam.

Appendices

01 Concrete Subfloor Requirements

1 Construction

Concrete subfloor shall be finished off true to grade and in accordance with good building practice and shall be free from rising moisture as per AS/NZS2455.1:2007.

2 Surface

(a) Planeness

When measured between two points over a 2.0m distance on surface at any position, no part is more than 4mm below a straight edge.

(b) Smoothness

When straight edge 150mm long is placed on the surface position, no part of the surface shall be more than 1 mm below the straight edge.

(c) Finish

New concrete floors shall be steel troweled to a smooth surface but not to a glass finish. They shall be free from score marks, grooves, depressions and scraped free of foreign materials.

3 Dryness

Before installation commences, the dryness of subfloor should be determined. For Interface and Heuga modular GlasBac carpet the moisture content measured by Hygrometer shall not be greater than 99% RH by In Situ Probe and 87% RH by Sealed Hood with max pH12 to for application of InterTac^{TM} PLUS Pressure Sensitive adhesive or TacTiles.

Moisture testing should be conducted by Hygrometer RH moisture test meters either In Situ Probe or Sealed Hood Hygrometers.

If the moisture content is above the recommended maximum readings Stop and do not proceed with the installation.

Seek further advice from Interface before proceeding.

Note : Refer to Moisture and pH test result recommendation table on page 18.

4 Cleanliness

Before installation begins, foreign materials such as grease, oil, paint, existing floor covering and any other harmful materials, should be removed. Any surface treatment or old adhesive that will effect the new adhesive or the holding power of the modular carpet should be treated or removed. The floor shall be vacuumed and washed to ensure a perfect bond.

5 Porosity

All concrete floors or floors that have been filled using a levelling compound should be sealed using a sealer compatible with the backing system.

6 Alkalinity

The subfloor should have an alkalinity level of no higher than pH11 to be suitable for GlasBac carpet installation. In cases where slab pH measures between pH11and pH12, a sealant such as GS420 Seal can be applied, followed by the installation of Interface carpet tiles with either InterTac™ PLUS or TacTiles. Test by wetting the floor with distilled water then using a pH test paper or meter.

Should the pH level be outside this range stop and do not proceed with the Installation. Seek further advice from Interface before proceeding.

Note : Refer to AS/NZS2455 parts 1 & 2 for suitable moisture and pH testing procedures.

02 Moisture and pH Test Recommendations

Before proceeding the specifications in Table 1 should be confirmed as being suitable for your particular project moisture & pH situation.

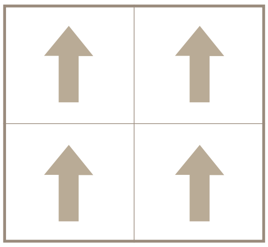
Moisture Content RH	Surface pH	Interface Backing System	Interface Installation System	Subfloor Remediation
Up to 99%RH by In Situ Probe Up to 87%RH by Sealed Hood	Up to pH12	GlasBac™ GlasBac™ RE Graphlex™	InterTac™ PLUS TacTiles®	Not required
Up to 99%RH by In Situ Probe Up to 87%RH by Sealed Hood	Up to pH12	CushionBac™ RE Moisture Guard	InterTac™ PLUS	Not required
Any moisture reading above 99% RH	Any pH level above pH12	Any backing system		Contact Interface for advice

Note: It is critically important to test all new concrete floors and those with recently applied levelling compounds, to determine the moisture and pH conditions prior to commencing installation of Interface GlasBac® and GlasBac®RE carpet tiles. Armed with the RH and pH readings, the table above should then be used to select the correct installation system for Interface carpet tile installations.

Where Interface installation recommendations differ to the Australian standards, the Interface recommendations take precedence.

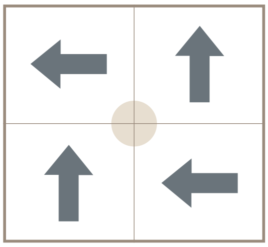
Failure to test the floor may void any Interface warranty on the installed carpet tiles.

03 Interface Installation Methods and Codes



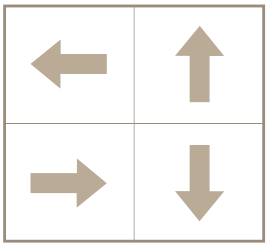
DIRECTIONAL Installation – Code DIR

An arrow is printed on the back of each modular tile to indicate pile direction. Make sure the arrows point in the same direction throughout your installation.



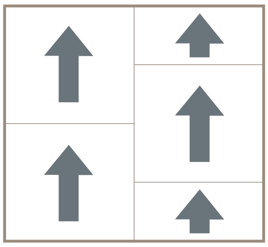
QUARTER TURN Installation – Code QTR

In this case, the arrows should be turned 90 degrees every other modular tile.



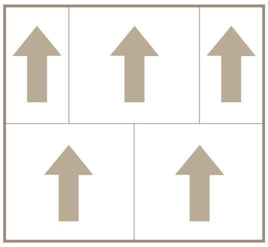
RANDOM Installation – Code RDM

This pattern allows installation of modular tiles without regard to arrow direction.



ASHLAR Installation

This pattern is created by offsetting the side joins of the modular tiles. All arrows should point in the same direction.

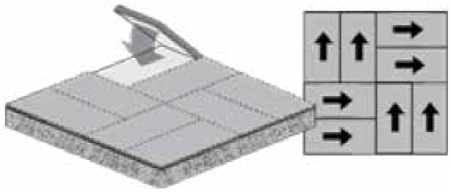


BRICK Installation

This pattern is created by offsetting the front and back joins of the modular tiles.
All arrows should point in the same direction.

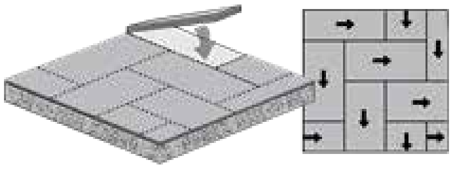
The codes printed on the cartons indicate the manufacturers' recommended installation method. However it is the installers' responsibility to confirm the clients' preferred installation method prior to commencement of installation.

04 Interface Plank Installation Methods



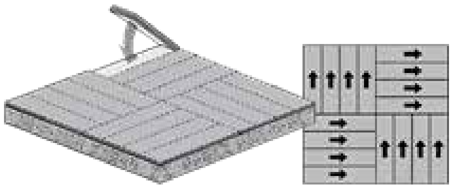
QUARTER TURN Installation (50cm x 1m Plank Tiles)

Quarter Turn is created by laying two planks side by side and rotating sets of 2 planks at 90 degree angles. NOTE: Individual Planks within a set should not be laid in the same direction.



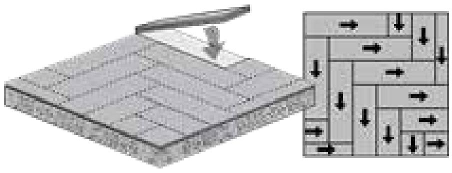
HERRINGBONE Installation (50cm x 1m Plank Tiles)

Herringbone is created by laying planks in L pattern.



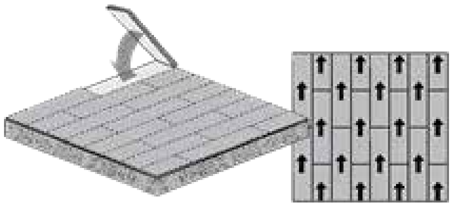
QUARTER TURN Installation (25cm x 1m Plank Tiles)

Quarter Turn is created by laying four planks side by side and rotating sets of 4 planks at 90 degree angles. NOTE: Individual Planks within a set should not be laid in the same direction.



HERRINGBONE Installation (25cm x 1m Plank Tiles)

Herringbone is created by laying planks in L pattern.



ASHLAR Installation (25cm x 1m Plank Tiles)

This pattern is created by offsetting the front and back joins of the tiles. All arrows should point in the same direction.

The codes printed on the cartons indicate the manufacturers' recommended installation method. However it is the installers' responsibility to confirm the clients' preferred installation method prior to commencement of installation.

As part of Interface's Mission Zero promise to eliminate any negative impact on the environment by 2020, we always consider the environment impact of every creative, manufacturing and building decision. This sample book is printed on recycled paper and with soy based ink. Twenty four virgin trees were saved from our use of 1725kg of recycled paper in the production of 5000 sample books. Energy intensity also decreased and greenhouse gases were reduced. The other reductions came from waste water and solid waste. Through our InterCircle sample reclamation program, we help keep sample materials out of landfill by re-using them until it is time to recycle these sample materials.

www.interface.com

South East Asia
Interface Asia
tel: 65-6478 1510
www.interface.com

Japan
Interface Japan
tel: 81-3-5733 5211
www.interface.com

Beijing Studio
Interface China
tel: 86-10-6590 7810
www.interface.com.cn

Hongkong Studio
Interface China
tel: 852-2802 0838
www.interface.com.cn

Shanghai Studio
Interface China
tel: 86-21-6340 3868
www.interface.com.cn

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Interface Australia
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