

## Green Star – Office Interiors v1.1

### Innovation

#### Inn-3 Environmental Design Initiatives

Points Available	Points Claimed	CIR Submitted
5	1	N

#### Credit Criteria

Up to five Innovation points are awarded at the discretion of the Green Building Council of Australia (GBCA) where it is demonstrated that a design feature provides a significant environmental benefit but is not awarded points under the Green Star – Office Interiors rating tool criteria.

The application will be assessed by the GBCA against the following criteria:

- \* What is the measurable environmental benefit of the innovation?
- \* Which significant environmental benefits of the innovation have been addressed by Green Star – Office Interiors credits?

More than one innovation can be submitted but the maximum points available for any one building assessment under Inn-1, Inn-2 and Inn-3 is five (total).

#### Documents Provided

✓	Environmental impact statement regarding TacTiles, carpet tile adhesive squares
✓	As-built plans that shows installed Interface GlasBac carpet
✓	Product stewardship agreement
✓	Product supplier docket
✓	Installation confirmation
✓	Photo from tenancy showing TacTile.

#### Discussion

- The Interface carpet tile installed in the GBCA fitout used the TacTile method of installation which significantly contributed to our theme of 'dematerialisation' because of the significant reduction in materials required for its installation.

Traditionally, carpet tile has been installed using tubs of adhesive, which oftentimes contribute to a reduced indoor environment quality through off gassing. Additionally, once glued to the subfloor, it becomes more difficult for carpet tiles to be effectively removed and reused elsewhere or recycled back into new carpet tile.

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The use of TacTiles, as described in the following pages, is glue free, requires approximately 10% of the energy of using glue, and all carpet tiles can be easily removed at the end of their useful life. Through the product stewardship agreement, InterfaceFLOR takes back all carpet tiles and recycles 100% of each carpet tile which it uses to make new carpet tiles.

# TACTILES™

## INTERFACEFLOR INNOVATIVE NEW CARPET TILE INSTALLATION

After three years of development and more than 90 test sites throughout North America and Canada, InterfaceFLOR Australia introduces TacTiles™ – a revolutionary, state-of-the-art installation product.

The materials and methods used to create TacTiles were developed with waste reduction and environmental impact in mind.

### THE INNOVATION

The super new thing about TacTiles is that they do not use glue. Designed to enhance the flexibility and efficiency of modular carpet.

TacTiles are a clear plastic 75mm \* 75mm square that adheres to the 4 corners of a carpet tile not the floor.

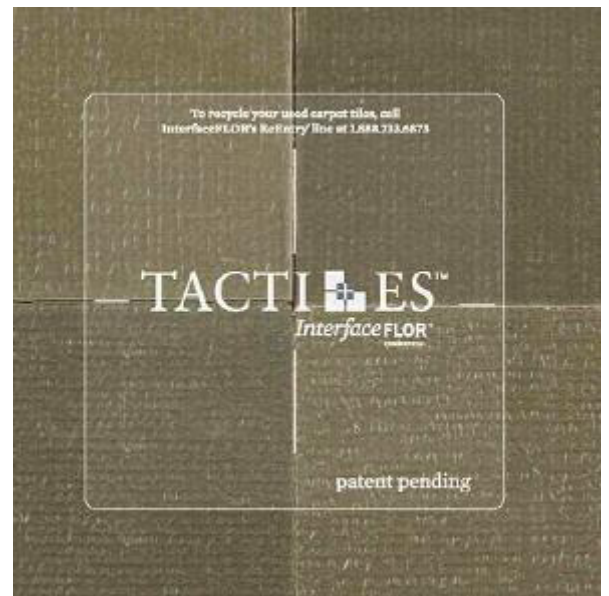
TacTiles are patent pending and made from chemically inert (PET) polymer.

### Revolutionary

- no glue is applied to the floor.
- Instead, the four corners of each tile are connected together, using a 10cm x 10 cm clear plastic square, with a high-tac adhesive on one side.

### Next Generation installation method

- Designed to deliver the stability & durability of a permanent installation without the need for permanent adhesion.
- “Floating Floor”.



**Mission Zero:**  
Our promise to eliminate  
any negative impact our company  
may have on the environment  
by the year 2020.

# TACTILES™

## INTERFACEFLOR INNOVATIVE NEW CARPET TILE INSTALLATION

### NEW “INNOVATIVE” INSTALLATION METHOD

Through the use of environmentally friendly TacTiles, customers can kick the glue habit for good by applying a 75 x 75 mm square of plastic film to each corner of 4 adjoining InterfaceFLOR tiles.



### TRADITIONAL INSTALLATION METHOD”

Various glues are used to stick tiles to the floor substrate. The best of these glues are water based and meet VOC standards. However they need to be applied to the whole floor surface, allowed to dry for a period, and then the tiles are applied. This results in “buckets of glue”, application tools, cleaning equipment and a significant amount of tradesmen’s time.



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# TACTILES™

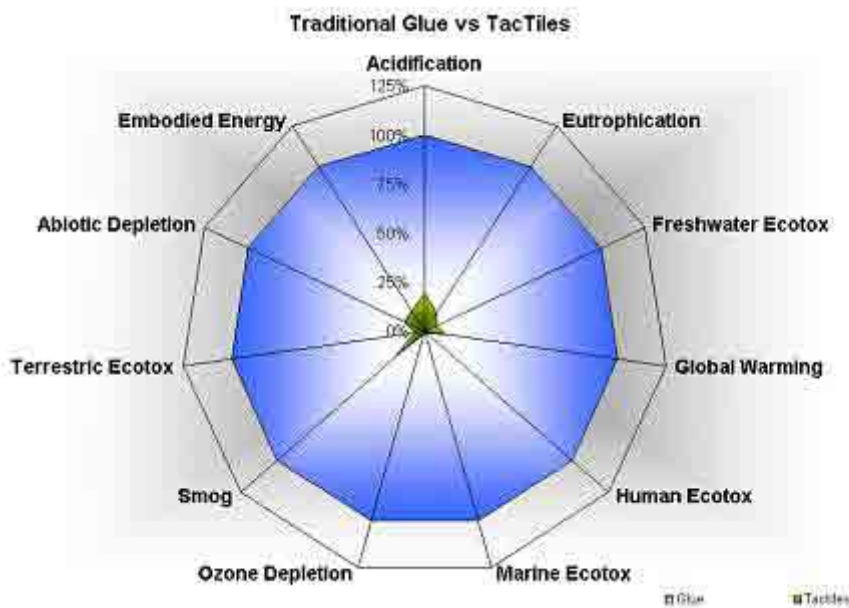
## Internal Product Brief

### ENVIRONMENTAL BENEFITS

#### Reduction in Environmental Footprint

TacTiles reduces environmental footprint by over 90% when compared to traditional glue installation methods.

The “spider” diagram shows the comparative “footprint”. When looking at the major Life Cycle Analysis parameters the blue “footprint” represents a normal “glue” that is “environmentally” friendly. The small green “footprint” represents the new TacTile.



#### Improved Indoor Air Quality

TacTiles contains no liquid components and virtually eliminates the issue of any volatile organic compound (VOV), so they can be installed anywhere at anytime, even in occupied space.



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# TACTILES™

## INTERFACEFLOR INNOVATIVE NEW CARPET TILE INSTALLATION

### *Reduction in materials*

The materials and methods used to create TacTiles were also developed with waste reduction and environmental impact in mind.

TacTiles reduces waste from the installation process by eliminating buckets of glue and the need for related supplies to be hauled to and from the job site. Instead of bringing rollers, fans, spray equipment and/or 20kg buckets of glue to the site, installers using TacTiles bring only 1kg boxes of TacTiles and a 2kg dispenser.



20kg of glue = 1roll of TacTiles



The only by-products resulting from a TacTiles installation are a 75mm wide liner ribbon that can be recycled like a soda bottle, and a recyclable cardboard core.

### *Replace, Remove , Recycle*

TacTiles can be recycled when InterfaceFLOR tiles are reclaimed via our carpet reclamation program, ReEntry®. When the carpet is being removed, installers can simply cut through the TacTiles to create smaller sections that can be easily carried out of the room. In some cases, TacTiles can be cut to remove the floor as individual tiles, or the entire floor can be rolled up and carried out like an area rug, then returned to InterfaceFLOR to be recycled into new carpet backing through our ReEntry program.

Furthermore, they can be applied without permanent adhesion to any surface, simplifying removal, replacement and recycling.

### *No damage to the floor substrate*

Unlike typical glue installations, TacTile installations leave no residue on the floor to be removed and no resulting damage to the sub-floor.

TacTiles allows installers to simply lift, remove or replace every tile creating the worlds most sustainable modular carpet installation system.

### *Flooring Life - TacTiles Withstand Strength Test*

Designed to work in conjunction with InterfaceFLOR dimensionally stable backing, TacTiles “weld” modular tiles to each other and not the floor, so even under the duress of heavy traffic there is no shifting, separation.



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# FINISHES LEGEND

- CP01: REFER FINISHES SCHEDULE FOR DETAILS
- CP02: REFER FINISHES SCHEDULE FOR DETAILS.  
NOTE: CP02 IS FULL TILES WORKING WITHIN CARPET GRID.
- CP03: REFER FINISHES SCHEDULE FOR DETAILS
- CON: REFER FINISHES SCHEDULE FOR DETAILS
- TASMAN ACCESS FLOOR 190mm HIGH. REFER TO ACCESS FLOOR PLAN & SPECIFICATION

# FINISHES NOTES:

JUNCTION OF CONCRETE & CARPET TILE WHERE EXPOSED TO BE FINISHED WITH BLACK DIMINISHING STRIP.

REFER TO SPECIFICATION FOR FINISHES DESCRIPTION AND SPECIFICATION.

REFER TO SPECIFICATION FOR INSTALLATION PROCEDURE TO ALL FINISHES.



BlighVollerNieldArchitecture

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ISSUE	DATE	FOR
01	11.10.07	INFORMATION
02	05.11.07	EXTENT OF CARPET CHANGED
A	08.11.07	FOR CONSTRUCTION

CONSULTANT  
**DAVIS LANGDON**  
tel 02 9956 8822 fax 02 9956 8848

CONSULTANT  
**LINCOLNE SCOTT**  
tel 02 8907 0900 fax 02 9957 4127

CLIENT  
**GBCA**  
L15, 179 ELIZABETH STREET  
SYDNEY NSW 2000  
CLIENT PROJECT No.

PROJECT  
**GREEN BUILDING COUNCIL OF AUSTRALIA**  
BVN PROJECT NUMBER  
**M0709010**

TRUE NORTH PROJECT NORTH

GRAPHIC SCALE  
0 2000 5000  
SCALE Distance: 35.56 mm  
1:100 at A2 DO NOT SCALE  
STATUS

FOR CONSTRUCTION  
DRAWING

FLOOR FINISHES PLAN  
DRAWING NUMBER ISSUE  
**A-U-01 A**

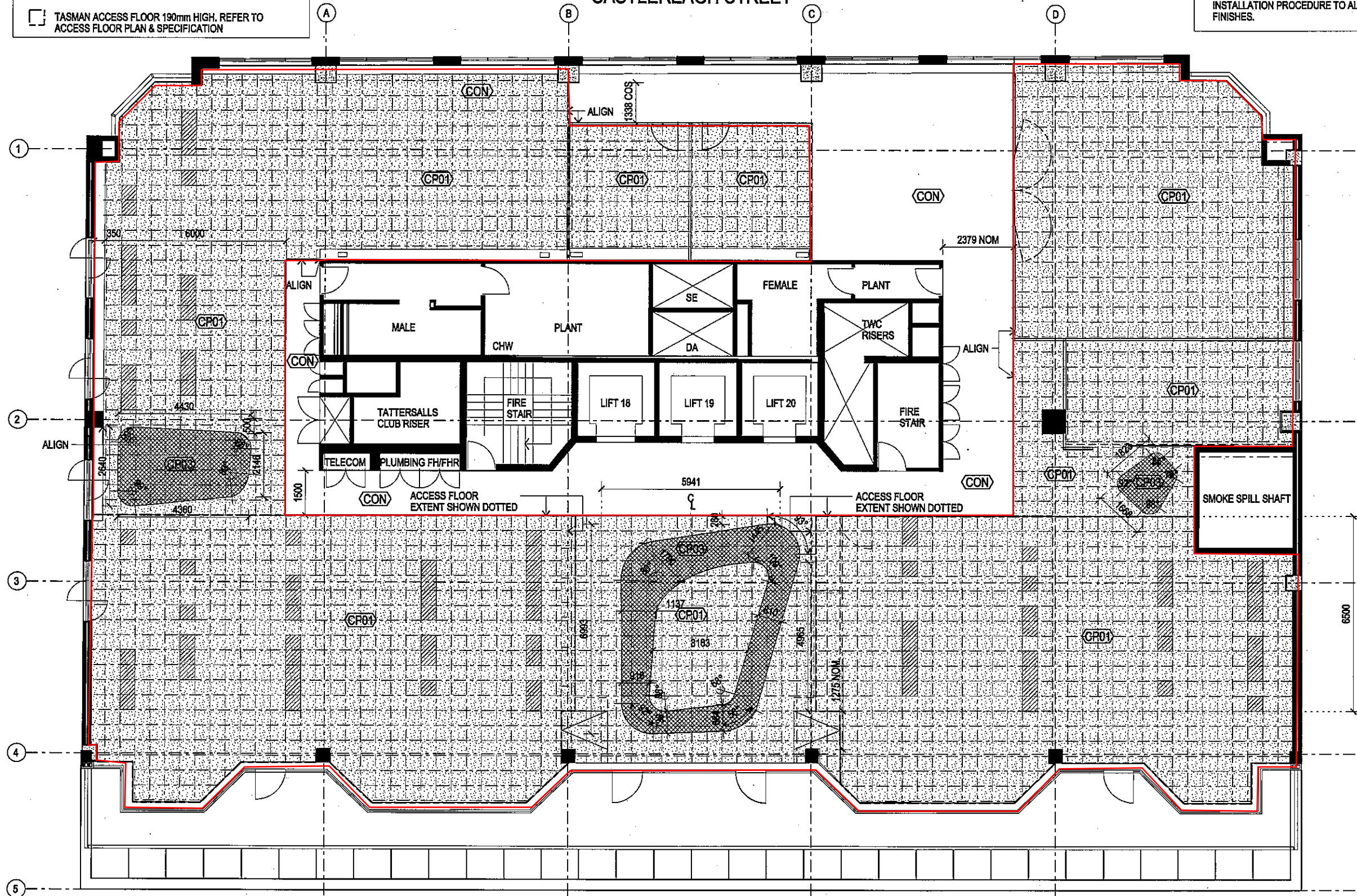
CASTLEREAGH STREET

ELIZABETH STREET

AS BUILT

P:\07\m0709010\gbl\Cad\_Arch\plot\CD-U-01\_Floor\_Finishes.dgn

13/08/2008



01 FLOOR FINISHES PLAN  
1:100



## WARRANTY - ReEntry Program

### INTERFACE AUST. HOLDINGS PTY LTD (INTERFACE)

Interface is committed to delivering sustainable solutions to the supply and installation of modular carpet. The ReEntry program aims to bring the most sustainable and cost effective solution to keep vinyl backed carpet tile products out of the landfill, while reducing the impact on the environment. Using new technology, the vinyl backings are separated from the nylon fibres of used Interface GlasBac® & GlasBac® RE modules and any of our competitors vinyl backed carpet tiles (subject to minimum quality standards). The vinyl is then ground and pulverized and recycled to make backing for new GlasBac® RE carpet tile while the nylon is redirected for other uses.

In this Warranty, the bolded terms shall have the meanings set out in the Schedule.

This Warranty is for the benefit of the **Owner** and for any subsequent owner of the **Property** during the **Term** and all references to the **Owner** shall be deemed to include reference to such subsequent owner.

Subject to the terms and conditions set out below, Interface warrants that during the **Term**, it will reclaim the **Prescribed Amount** of **Carpet Tile** located at the **Property** for the **Fee** and will reprocess the **Carpet Tile** into backing materials for new GlasBac® RE modules:

1. The **Owner** shall be responsible for and meet all charges in respect of:
  - (a) The uptake of the **Carpet Tile** and all associated furniture relocation and computer relocation;
  - (b) Sorting the **Carpet Tile**;
  - (c) Packing the **Carpet Tile** on pallets and movement of the **Carpet Tile** to the loading dock.
2. To exercise your rights under this Warranty, the **Owner** must:
  - (a) contact Interface at least 14 days prior to the date required for reclamation of the **Carpet Tile**;
  - (b) remove the **Carpet Tile**, pack the **Carpet Tile** onto pallets and deliver to the loading dock located on or near the **Property**; and
  - (c) pay the **Fee** to Interface [in accordance with Interface's usual payment terms].
3. Interface does not make any other warranties or representations whatsoever relating to the **Carpet Tile**, the timing of the reprocessing of the **Carpet Tile** into backing materials of new GlasBac® RE modules or the condition or quality of the new GlasBac® RE modules.
4. Any subsequent owner of the **Property** should notify Interface of their newly acquired ownership of the **Property**.
5. This Warranty shall not apply where, in the reasonable discretion of Interface:
  - (a) the **Carpet Tile** is heavily soiled or damaged;
  - (b) the **Carpet Tile** is partly or wholly burnt or in any other way transformed other than by normal wear and tear;
  - (c) the **Carpet Tile** is subject to plasticiser migration;
  - (d) the **Carpet Tile** consists of only part tiles;

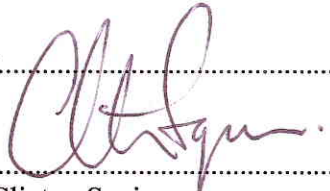


- (e) the **Carpet Tile** is System Six® performance broadloom floorcovering;
  - (f) the **Carpet Tile** is removed from the **Property** other than pursuant to this Warranty; or
  - (g) Interface ceases to produce GlasBac® RE modules.
6. A copy of this Warranty will be forwarded to the **Architect/ Interior Designer** and **Tenant**, for their information.

#### Schedule

<b>Architect/ Interior Designer</b>	Trudy Ann King
<b>Carpet Tile</b>	Interface GlasBac®
<b>Fee</b>	NIL
<b>Owner</b>	G.P.T Property Group
<b>Prescribed Amount</b>	770m2
<b>Property</b>	Level 15, 179 Elizabeth St., Sydney NSW 2000
<b>Tenant</b>	Green Building Council of Australia
<b>Term</b>	15 years from the date of this Warranty

**SIGNED** for and on behalf of  
**INTERFACE AUST. HOLDINGS**  
**PTY LTD**

  
 Clinton Squires  
**General Manager**


Date: 17<sup>th</sup> April 2008.

# Consignment Note

Border Express Pty Ltd

ABN:

Telephone:

CN #: BE70042719				CN Date: 14/12/2007 Receiver's Copy	
<b>From:</b> Interface Aust Pty Ltd 14 Henry Street Picton, NSW 2571			<b>To:</b> FUTURE FLOOR SERVICE PEAKHURST UNIT 7 / 47-51 LORRAINE ST MUST RING PRIOR TO DEL Peakhurst, NSW 2210		
<b>Contact:</b> <input type="text"/>			<b>Contact:</b> MARC <input type="text"/>		
<b>Phone:</b> 0246778800 <b>Ref:</b> <input type="text"/>			<b>Phone:</b> 0418864346 <input type="text"/>		
<b>Freight Payable By:</b> <input type="text" value="Interface Aust Pty Ltd"/>		<b>Mode:</b> <input type="radio"/> General <input checked="" type="radio"/> Express		<div style="display: flex; justify-content: space-between;"> <span><b>Sender Disp:</b></span> <span><input type="text" value="0"/> <input type="text" value="0"/></span> </div>	
<b>Comments:</b> NO DEL B4 12 NOON PLZ RING B4 DEL		<b>Dangerous Goods</b> <b>UN #:</b> <input type="text"/> <b>Class Emerg Code:</b> <input type="text"/>		<div style="display: flex; justify-content: space-between;"> <span><b>Receiver Rcvd</b></span> <span><input type="text"/> <input type="text"/></span> </div> <div style="display: flex; justify-content: space-between;"> <span><b>Receiver Disp:</b></span> <span><input type="text"/> <input type="text"/></span> </div>	
<input type="checkbox"/> <b>Pallets Transferred Direct</b>					
<b>Ref</b>	<b># Units</b>	<b>Description</b>	<b>Weight</b>	<b>Cubic</b>	
1103443	5	Pallet	3366.000 kg	5 @ 1.1 x 1.1 x 1.35 = 8.168 m3 = 2720 kg	
<b>Total Units:</b> <input type="text" value="5"/>		<b>Total Weight:</b> <input type="text" value="3366.000"/>		<b>Total Cubic:</b> <input type="text" value="8.168"/>	

**FUTURE FLOOR SERVICES**  
UNIT 7/47-51 LORRAINE ST PEAKHURST  
SYDNEY NSW  
AUSTRALIA

Phone: 02 9584 3723 Fax: 02 9584 3724  
ABN: 640 704 01106

28/2/2008

SCHIAVELLO PTY LTD

ATTENTION:  
RE:

ADAM TERILL  
GBCA  
LEVEL 15 179 ELIZABETH ST


DEAR SIR,

THIS LETTER IS TO CONFIRM THAT THE SPECIFIED CARPET TILES  
'INTERFACE' SOLID FOUNDATIONS HAVE BEEN SUPPLIED AND  
INSTALLED TO THE MANUFACTURES RECCOMENDATIONS AND  
SPECIFIC INSTRUCTIONS WITH PARTICULAR EMPHASIS ON THE  
'TACTILE' METHOD OF INSTALLATION.

AS SPECIFIED THERE WERE NO OTHER ADHESIVES USED IN THE  
INSTALLATION.

ALL MATERILAS LAID WERE AS PER THE COLOUR & DESIGN  
SPCIFICATION AS SET OUT BY THE CLIENT AND INTERFACE.

REGARDS  
FUTURE FLOOR SERVICES NSW



MARC KELLY



