

R-TEK LOOSE LAY INTERLOCKING DESIGN TILE OEM MANUAL







TABLE OF CONTENTS

01	Introduction	03
02	Technical Specification & Product Construction	04
03	Packaging Information	06
04	Installation Instructions	07
05	Sub Floor Conditions	09
06	Water Resistance	10
07	Cleaning & Maintenance	12
80	Installation Accessories	15
09	Nbs & Gradus Specifications	17
10	Warranty	20
11	Certifications	23
12	Flooring Joint Near Refrigeration Case	29
13	Rubber Rubbing Rail	31
14	Tile Transition	32
15	Expansion Joints & SFT / IO	33
16	Armstrong PU-100 Datasheet	34
17	Operations & Maintenance Manual Approval	36







01 INTRODUCTION

This OEM manual is produced to provide property team managers, main contractors and flooring contractors with the necessary details of the R-Tek Design Tile, with respect to product specification, packaging and installation instructions, installation accessories, cleaning and maintenance and all relevant certification.







102 TECHNICAL SPECIFICATION & PRODUCT CONSTRUCTION

2.1 DESIGN TILE TECHNICAL SPECIFICATION DATA

Floorcovering to ISO 10581	Heterogeneous PVC
ISO 14001	✓
ISO 9001	√
ISO 868 Hardness	92 Shore A
Material	PVC SG1 1.45
ISO 24340 Thickness of wear layer	0.7mm + Polyurethane
ISO 24346 Total thickness	7.8mm
ISO 23997 Weight	+/- 9.6kgs/m2
ISO 23999 Dimensional stability	✓
EN 1081 Electrical resistance	Horizontal: >1.0 x 1016 Ω
	Vertical: 1.0 x 1013 Ω
EN 1815 Anti-static performance	Rubber sole: +6.6 kV
	PVC sole: +4.0 kV
ISO 10140-1 Maximum acoustic insulation	(ΔLw) 18 dB
ISO 354 Maximum sound absorption	aw 0.05
EN 12667 / ISO 8302 Thermal resistance	0.005 m2 K/W
EN 13501-1 – 1:2007 Burning behaviour	B fl - s1
ISO 24343-1 Point load resistance	0.05 mm
ISO 4918 Castor chair resistance	✓
EN 13893 Slip resistance	Pendulum Test 37 in wet
ISO 10582 Usage category	34 – Very heavy commercial use
ISO 26987 Resistance to chemicals	43 – Heavy industrial use Class O - Good
ISO 24344A Flexibility	20 mm
EN 71 Toxicity	Non-toxic
AgBB/DIBt low V.O.C.	Certified
EN ISO 105 B02 Light fastness	7-8, Dependent on design
Underfloor heating	28°C ✓







2.2 PRODUCT CONSTRUCTION DIAGRAM









03 PACKAGING INFORMATION

- Design Tile packaging content = 5 tiles per box (1.04m2)
- 1m2 of Design tile = 4.8 tiles
- Pallet Content = 400 Tiles
- M2 per pallet = 83.3m2
- Weight per m2 = 9.6kg







04 INSTALLATION INSTRUCTIONS

1. Tools Required

Guillotine, Jig-saw, Knife, Chalk, Measuring tape/ruler, Safety glasses, Rubber/nylon mallet.

2. Product Check

Design Tile is checked carefully before it leaves the factory. This enables us to guarantee high standards of quality, however it is possible that you could still encounter defects. With this in mind always check the tiles for visible defects before installing.

3. Storage

Ensure that the tiles are always stored on a dry flat surface. If the tiles are not stored correctly, this may result in issues during installation. Tiles should be stored at temperatures below 30 degrees Celsius.

4. Subfloor condition

The tiles can be laid on subfloors with a flatness tolerance of 4mm per metre. Prior to installation, the sub-floor should be surveyed to check for any deviations in this tolerance level and any resulting minor patch repairs carried out.

5. Acclimatisation

Design Tile should be stacked in small piles in the installation area for at least 24 hours prior to fitting. The ideal installation temperature is between 18 & 22 degrees Celsius. If these conditions are not adhered to you may have difficulty during installation since the product dimensionally adjusts to the ambient temperature.







6. Installation Plan

Having checked the condition of the subfloor (as per 4 above) mark the chalk line ensuring that when laying the tiles, you have good size cuts to all walls and fixed points.

7. Installing

Unlike other interlocking tiles, because of the hidden join interlock system on each tile, it is better to work not from the middle of the room but from one side of the room. This allows for the tiles to be interlocked as per the diagram below. It is important to always create a link up around fixed objects, such as pillars and machinery. When creating these link ups to meet larger link ups, always work away from the main floor. It is recommended that a 5mm expansion gap is created around all fixed points and walls.

8. Uneven subfloor

If you are working with a particularly uneven subfloor the tiles may need to be manoeuvred to ensure correct alignment of the interlocks and in these circumstances the interlock should be correctly aligned before hammering them with the mallet to avoid damaging interlocking join.

9. Direct sunlight

In areas of direct sunlight, it may be necessary to adhere the tiles to the subfloor - please consult with our customer service for further information. If an area is to be adhered, always make a link-up or frame and glue either side, to ensure floor meets up with main area. The tiles in the areas to be adhered must first be laid out and then uplifted, glued and re-laid - this ensures tiles will fit into area. In these circumstances it is advised to uplift the tiles in rows.

When the floor install is complete it should be cleaned and protected until ready for normal use. See cleaning and maintenance instructions.

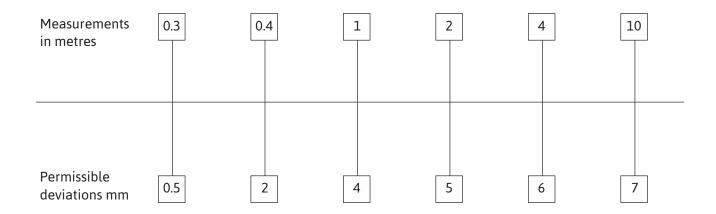






05 SUB FLOOR CONDITIONS

Design tiles can be laid over existing ceramic floors and wooden sub floors with little or no floor preparation required. See below for guidelines on suitability of design tiles and unevenness of sub floor.









06 WATER RESISTANCE

Performance with respect to water resistance

- 1. Design tile offers a 95% water proof floor system, i.e. for every 10sqm design tile installed, 9.5sqm of the flooring system is 100% water proof (see photo).
- 2. Only 5% of an installed floor is not water proof and this 5%, which is the grout line area although not water proof, is water tight. The design tile grout line profile, which is on all 4 sides of the product, has been designed so that when installed, the grout line profiles interface against each other to create a water tight join.

Under normal conditions, water from foot traffic, and cleaning using scrubber drier machines will not penetrate to the subfloor. Care should be taken not to bucket swill water over the surface of the tile when using a mop and bucket.

For best results our recommendation is to clean & maintain our material via machine clean only with a suitable scrubber drier machine and detergent.

3. Areas/situations where a "100% water proof" floor is a necessity, e.g. under fridges and coolers, i.e. areas where there is likely to be on-going spillages of water over a sustained period of time and not likely to be attended to.

Options with the design tile products in these areas are:

A. Floor sealer – R-Tek can offer a Dr Schultz PU coating, which can be applied on top of the tiles when the installation is complete. This PU coating can be applied in particular areas or the entire floor area (depending on customer preference).







- B. Adhere the design tile, using an epoxy adhesive such as F74 (minimal cost).
- C. Hot or cold weld the design tile joints (minimal cost).
- 4. Design tile install over wooden subfloor

For proposed installation over a wooden subfloor, the areas that would need to be waterproofed, as in 5 above (under fridges etc.) can be sealed as detailed in A to C or if desired the entire subfloor above, can be protected from any possible water penetration as follows:

- D. Treat the wooden subfloor with a proprietary protective water-proof seal, we recommend UZIN PE 404. Or similar.or
- E. Install 1000-gauge polythene sheet (minimal cost).

NOTE: Of these two options, we recommend D as the preferred choice.

- 5. If a water proof floor system is not feasible under the fridge/cooler areas then in order to prevent leakage of any water from the fridges/coolers getting under the tile system a silicone barrier can be created. This can be achieved by laying down one or two 10mm beads of water proof silicone under the tiles that circumference these fridge/cooler areas.
- 6. Uplifting of design tile Unlike any other flooring product the unique interlocking system of design tile allows the tiles to be easily uplifted and re-fitted. Should an installed floor become heavily contaminated with water (flooded) in a particular area and that area has not been "sealed" as detailed above, the tiles can be uplifted, the area cleaned and dried and the tiles refitted again at minimal cost.
- 7. For more detailed information on installation over various subfloors see appendix A.







07 CLEANING & MAINTENANCE

It is critical that the correct cleaning regime is used to maintain your R-TEK floor surface.

If the appropriate cleaning machine is used with the correct cleaning chemical this will ensure that your floor surface will always have a clean appearance, whilst maintaining a safe level slip resistance.

We highly recommend that a scrubber dryer with the appropriate scrubber dryer detergent and pad is used for the cleaning of all R-TEK floors. We can suggest machines to clean all sizes of floor surfaces. It is important that the machine you use has sufficient pad pressure and has good squeezy blade surface contact to produce an efficient clean.

It is also important that your floor surface is swept thoroughly before a scrubber dryer is used if you suffer with high volumes of dust, swarf and any other debris. We would suggest the use of a high quality range sweeper, which are ideal for keeping your floors dust free.

Depending on your requirements, we can also suggest the use of a combination machine, which can both sweep and scrub and dry all in one process.

If you do not suffer with dust and debris, then a scrubber drier machine will be adequate.







RECOMMENDED CLEANING FOR SMOOTH TEXTURED SURFACES

We highly recommend the use of floor pads for the successful cleaning of smooth style textured floors.

Floor pads are more effective than using scrubbing brushes as the pad makes better surface contact resulting in a better clean. Please use the below cleaning pads dependant on floor traffic:

RED PAD - Light duty cleaning and maintenance BLUE PAD - Medium cleaning and maintenance GREEN PAD - Heavy cleaning and maintenance

Please Note: We do not recommend using industrial cleaning pads which include diamond elements as these can damage your R-Tek floor.

CHEMICAL RECOMMENDATION

ACTIVE Scrubber Dryer Detergents heavy duty formulation removes even the toughest grease and grime. Low foaming, specially designed for machines with suction driers. Ideal for cleaning large warehouses, retail outlets with heavy footfall, manufacturing locations, garages etc. rapid grease cutting ensures only one pass of the machine is required.

It is critical that the correct chemical is used, as if an inferior chemical is used this may not remove all dirt and grease required, resulting in a dirty floor, which may also cause slip resistance issues.

We recommend "Scrubber Dryer Detergent" (or similar) please see details attached.







RECOMMENDED CHEMICAL DILUTION

For heavy duty scrubbing dilute 1 part to 10 parts hot water For maintenance cleaning dilute 1 part to 80 parts hot or cold water

CORRECT SIZE OF MACHINE

It is critical to choose the correct size of machine for your environment. There are machines to suit all sizes of floor surfaces, from 50m2 to 50,000m²

We can arrange a referral to cleaning and maintenance companies, who can advise regarding the correct size of machine and cleaning schedule for your floor surfaces.

If the cleaning schedule is followed, your R-TEK floor will remain clean and slip free.







08 INSTALLATION ACCESSORIES

ELAR950 Trans-Edge Trim with ELINS50 (Standard PVC Insert) / ELINSXG50 (Xtra-Grip PVC Insert)

- 1. Before installation, ensure that all surfaces to which the profile is to be fitted are dry, flat, free from any debris or contaminants and in an ambient temperature not less than 18°C.
- 2. Cut the profile to the size required.
- 3. Place the profile in position and mark the position of the screw holes onto the substrate.
- 4. Drill the substrate to a depth of 30-35mm and insert suitable fixing plugs into the holes.
- 5. Apply high performance cartridge adhesive with gap filling properties (e.g. Gripfill), to the back of the profile and place onto the substrate. Ensure that all of the profile is in contact with the substrate and there is a minimum 80% coverage of adhesive on the underside of the profile. Please refer to adhesive manufacturers data sheets for application details.
- 6. Using 6mm screws fix through the profile, into the plugs and tighten.
- 7. Clean out the profile channel and install the insert. If the area is colder than 18°C then the application of heat to the back of the insert may be necessary. Only equipment with controlled heat should be used e.g. hot air welding gun set at a maximum of "5".







- 9. When using heat care should be taken not to overheat the insert. Only enough heat should be applied to make the insert more supple, NOT hot.
- 10. As Xtra-Grip insert is a rough coated product, care should be taken when handling to avoid scratching/marking to surrounding finishes.
- 11. After the aluminum ramp profile has been secured to the subfloor, cut the insert material to 10mm longer than required (e.g. Width 1500mm / Cut insert at 1510mm / Mark at 755mm).
- 12. Starting from one end of the profile, remove the release paper from the tape on the back of the insert and fit into the profile channel, ensuring the insert is butted tight to the wall.
- 13. Continue fitting the insert into the channel for approx. one third the length of the profile
- 14. After feeding one third of the insert in from one end, remove the remaining release paper and begin to feed the insert in from the opposing end. Feed the excess back in towards the Centre.
- 15. Sweep down the area and remove and dispose of all debris from site.
 - Please Note: The profile should be installed directly onto the substrate and NOT on top of any floorcovering. The floorcovering should be butted up to the back edge of the profile.







09 NBS & GRADUS SPECIFICATIONS

ELAR950

Gradus is a member of NBS Plus, providing a comprehensive library of pre-written specifications supported by guidance notes. The NBS specification for ELAR950 is shown below, plus a detailed Gradus specification and profile description to ensure the correct specification is maintained. For further information on NBS contact NBS Services on 0191 232 9594.

NBS Specification

M50 RUBBER/PLASTICS/CORK/LINO/CARPET TILING/SHEETING 70 / 740 EDGINGS/COVER STRIPS M51 RUBBER/PLASTICS/CORK/LINO/CARPET TILING/SHEETING 510 EDGINGS/COVER STRIPS

Manufacturer: Gradus Accessories, Park Green, Macclesfield, Cheshire, SK11 7LZ.

Tel: 01625 428922 Fax: 01625 433949

Website: www.gradusworld.com Email: sales@gradusworld.com

Reference: ELAR950

Material: Aluminium with PVC insert

Colour: 50mm Standard Interior Insert (ELINS50): Burgundy,

Buttercup, Canvas, Cloud, Coffee, Evergreen, Glacier, Ink, Jet, Lead,

Linen, Midnight, Nutmeg, Ocean, Poppy, Snowdrift, Steel (select as required).

50mm Xtra-Grip Interior Insert (ELINSXG50): Carbon, Rock, Pebble, Zest

(select as required)

Fixing: Mechanical (screw) and adhesive fix – as per manufacturer's instructions







Gradus Detailed Specification

Manufacturer: Gradus Accessories, Park Green, Macclesfield, Cheshire, SK11 7LZ.

Tel: 01625 428922 Fax: 01625 433949

Website: www.gradusworld.com Email: sales@gradusworld.com

Aluminum with PVC insert

Width: 84mm

Back Edge Internal Height: 8mm Back Edge Internal Depth: 12mm

Colour: 50mm Standard Interior Insert (ELINS50): Burgundy, Buttercup, Canvas, Cloud, Coffee, Evergreen, Glacier, Ink, Jet, Lead, Linen, Midnight, Nutmeg, Ocean, Barray, Grandlift, Standard and American (Inc.)

Poppy, Snowdrift, Steel (select as required).

50mm Xtra-Grip Interior Insert (ELINSXG50): Carbon, Rock, Pebble,

Zest (select as required)

Fixing: Mechanical (screw) and adhesive fix – as per manufacturer's instructions

Description

Transition Strips – Trans-Edge

Trans – Edge trims have been designed for use in the most demanding environments where frequent heavy foot and wheeled traffic can be expected e.g. railway stations, airports, transport interchanges, department stores and hospitals. Trans-Edge trims comprise of an aluminum base channel with a choice of slip resistant Elite inserts. Elite Xtra Grip insert is also available for 30 and 50mm ramps, for interior areas that are at risk of becoming wet and therefore pose a higher risk of slip. All profiles are suitable for interior use and available as a ramp or flat design.

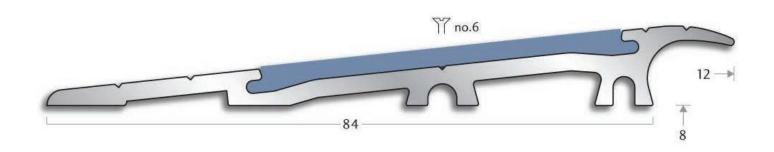
Reference: ELAR950

Profile Shape: Ramped – for joining floorcoverings of a different height















10 WARRANTY

DESIGN TILE WARRANTY

R-Tek Manufacturing Ltd. will furnish replacement flooring free of charge if there is a loss of original pattern and colour under normal residential and/or commercial use of R-Tek Design Tile for the number of years as indicated below, provided the flooring covered by this warranty is installed and maintained according to the instructions included in each package.

This warranty does not include damage due to improper installation or maintenance, excessive moisture or alkalis in the subfloor, or conditions arising from hydrostatic pressure, burns, tears, indentations, stains or reduction in gloss due to normal use or exterior application.

This warranty shall not include loss of time, inconvenience, incidental expenses incurred in the removal or re-installation of the affected material and any other incidental or consequential damages.

This warranty is in lieu of any other warranties, expressed or implied. The warranty service is only available by notice to R-Tek Manufacturing Ltd., through the dealer from whom the purchase was made, or directly to our head office. Notification must be accompanied by a copy of the original invoice and can only be authorised by R-Tek Manufacturing Ltd.

Warranty periods:

	Wear Layer	Commercial Use
R-Tek Design Tile	0.7mm	10 Years







R-TEK MANUFACTURING LTD: R-TILE **LIMITED WARRANTY**

EXCLUDED FROM WARRANTY

These warranties do not apply to the following:

conditions specified herein for all R-Tek Interlocking PVC For a period of one (1) year from the date of shipment, R-

floor tiles

Tek makes the following warranty, subject to the terms and

1. The exact matching of shade. colour or mottling.

2. Any express or implied promise made by any salesman or representative.

installations, improper use, or improper cleaning agents 3. Tears, burns, cuts or damage due to improper or maintenance methods.

4. Labour costs for installation of original or replacement material, 5. Problems caused by moisture, hydrostatic pressure or alkali in the sub-floor

imitations contained in the warranty, R-Tek will replace

the defective product at its cost in the affected room or

customer must promptly notify R-Tek and permit an determines the product to be defective, subject to the

of the product. If upon inspection R-Tek

nspection

R-Tek will replace any defective product at no charge if the believes the product to be defective after installation, the

defect is found prior to installation. If the customer

installation that is contrary to R-Tek specifications, Problems caused by uses, maintenance, and recommendations or instructions.

Material installed with obvious defects.

Tek and permit an inspection of the flooring. If the original

R-Tek warrants the wearability of R-Tile (PVC Interlocking floor tile) for ten (10) years from the date of installation. If dissatisfied with the wearability, the owner must notify Rflooring is worn through the wear layer and the flooring has been properly installed and maintained, R-Tek will replace the worn out flooring at its cost in the affected room or area, subject to a charge to the customer to reflect a

8. Installation with adhesive other than those recommended by R-Tek

sunlight penetration and ultraviolet ray exposure from 9. Fading and/or discoloration resulting from heavy direct or glass-filtered sunlight.

10. R-Tile is not installed and maintained as recommended by R-Tek.

any claimed defect immediately upon learning of the

lyrone, BT717NP, N.Ireland.

warranties, the customer must give R-Tek written notice of defect and in no event more than 90 days after the claimed

be eligible for replacement under either of these

ဂ

prorated discount for the age of the flooring.

corporate address of 259 Battleford Řoad, Benburb, Co. expressed or implied. R-Tek shall not be liable for aný any other warranty. incidental or consequential damages which may result These warranties are in lieu of defect is discovered. Notice shall be given to R- Tek at its

INSTALLATION & MAINTENANCE NOTES

R-Tile should not be installed in areas subject to excessive temperature variations. For installations subject to normal temperature variations it is necessary to allow a 0.5% movement in the floor and an appropriate gap should be left between the tiles at any fixed point. Areas of installation should be maintained at a uniform and temperature for 24 hours before, during installation Is completed.

conditioned at the surrounding ambient temperature for a The R-Tile product which is to be installed should be minimum of 24 hours.

Proper maintenance on a regular basis is essential to the appearance and the wear life of R-Tile.

hospital operating rooms or computer rooms. A special Standard R-Tile product is not recommended for use anti-static tile is available upon request

R-TEK MANUFACTURING LTD 259 BATTLEFORD ROAD BENBURB COUNTY TYRONE N.IRELAND

Operations & Maintenance Manual for R-Tek Loose Lay Interlocking Design Tile Product Version 4.0 Date 9/04/2018

description with only such reasonable variation as is acceptable in the trade it is fit for, the ordinary purposes

for which the product is used, and it will be adequately

packaged and labeled.

R-Tek, R-Tile products will conform to the contract







Floor mats

To protect your Design Tile floor, we recommend the use of a hard-wearing floor mat /barrier matting to prevent dirt and liquids from being walked into it.

Choose a good quality mat carefully, as the softener octyl benzoate is often used in mats of poorer quality. This softening agent can lead to lumpiness or delamination in the top layer of your floor.

In the interests of safety, we therefore recommend that you do not place mats loosely on the floor, but install a recessed barrier mat at entry and exit points.



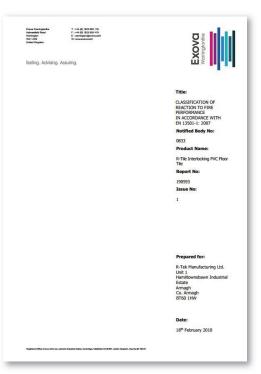




11 CERTIFICATIONS

Click on images below for fire, anti-slip & stability certificates.



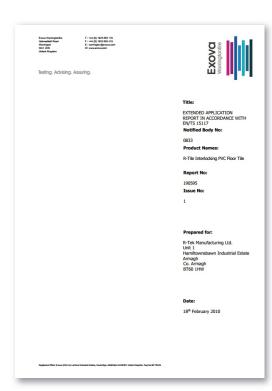


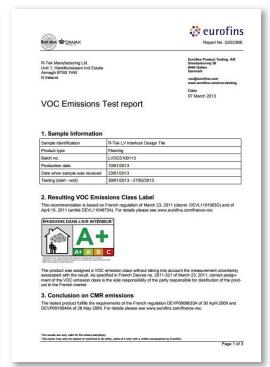


















Appendix A: Detailed installation instructions for various sub floor applications.

1. Wooden subfloor

- A. Ensure the subfloor is sufficiently flat and free from all debris. See guidance notes, OEM manual point 6. Screed and/or self-level as necessary.
- B. Install design tile starting in the corner and working outwards to complete the install interlocking all tiles such that joins fit tightly together leaving no gaps, as per the guidance notes 1-9 in the OEM manual.
- C. For those areas where 100% waterproof floor is a necessity, eg under fridges and coolers, i.e areas where there is likely to be ongoing spillages of water over a sustained period of time and not likely to be attended to either
 - a. Spread 2-part epoxy adhesive + 1mtr circumference of the fridge area.
 - b. Coat/seal with PU coating + 1mtr circumference of the fridge area.
 - c. Hot or cold weld the joins + 1mtr circumference of the fridge area. As per OEM manual 7-5.
- D. To further protect wooden sub floors from any water pentation due to poor cleaning methods or excesive water spillage not attended to the entire floor area can be glued using a 2part epoxy adhesive or as per recommendation in the OEM manual 7-6.

2. Ceramic tiles subfloor

- A. Depending on how well the ceramic tiles have been led previously, they may be breaking up and cracking, we recommend that those loose tiles are taken up and back filled with levelling screed.
- B. Ensure the subfloor is sufficiently flat and free from all debris. See guidance notes 6 in the OEM manual. Screed and/or self-level as necessary.







- C. Install design tile starting in the corner and working outwards to complete the install as per the guidance notes 5 1-9, OEM manual. Interlock tiles such that all joins fit tightly together leaving no gaps.
- D. For those areas where 100% waterproof floor is a necessity, eg under fridges and coolers, i.e areas where there is likely to be ongoing spillages of water over a sustained period of time and not likely to be attended to either
 - a. Screed & spread 2 part epoxy adhesive + 1mtr circumference of the fridge area.
 - b. Coat/seal with PU coating + 1mtr circumference of the fridge area.
 - c. Hot or cold weld the joins + 1mtr circumference of the fridge area. As per OEM manual 7-5.







3. Concrete subfloor

- A. Ensure the subfloor is sufficiently flat and free from all debris. See guidance notes 6 in the OEM manual. Screed and/or self-level as necessary.
- B. Install design tile starting in the corner and working outwards to complete the install as per the guidance notes 5 1-9, OEM manual. Interlock all tiles such that all joins fit tightly together leaving no gaps.
- C. For those areas where 100% waterproof floor is a necessity, eg under fridges and coolers, i.e areas where there is likely to be ongoing spillages of water over a sustained period of time and not likely to be attended to either
 - a. Screed & spread 2-part epoxy adhesive + 1mtr circumference of the fridge area.
 - b. Coat/seal with PU coating + 1mtr circumference of the fridge area.
 - c. Hot or cold weld the joins + 1mtr circumference of the fridge area. As per OEM manual 7-5.

4. Vinyl Tiles Subfloor

- A. Depending on how well the vinyl tiles have been led previously, there may be breaking up and cracking, we recommend that those loose tiles are taken up and back filled with levelling screed.
- B. Ensure the subfloor is sufficiently flat and free from all debris. See guidance notes 6 in the OEM manual. Screed and/or self-level as necessary.
- C. Install design tile starting in the corner and working outwards to complete the install as per the guidance notes 5 1-9, OEM manual.







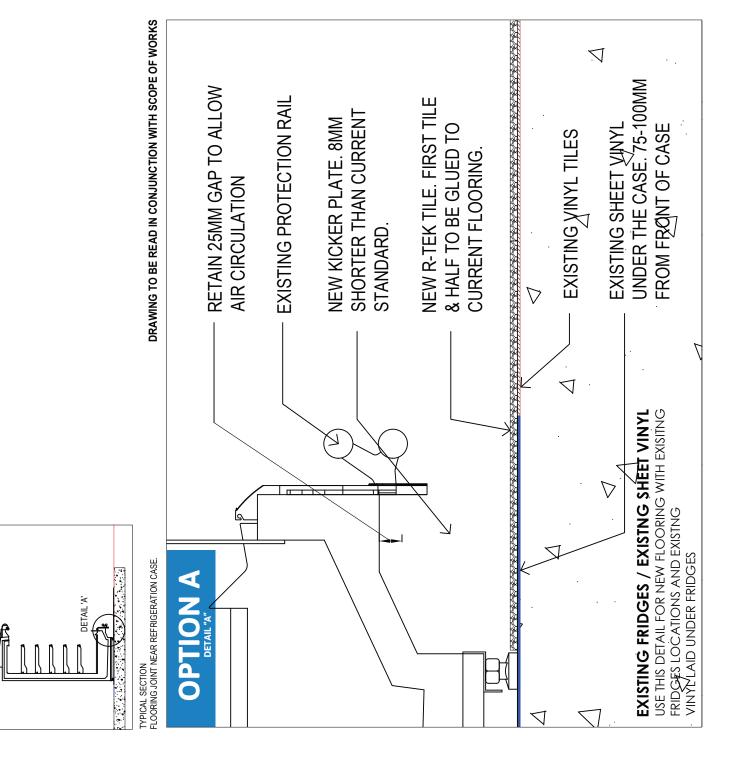
- D. Interlock tiles such that all joins fit tightly together leaving no gaps. For those areas where 100% waterproof floor is a necessity, eg under fridges and coolers, i.e areas where there is likely to be ongoing spillages of water over a sustained period of time and not likely to be attended to either
 - a. Spread 2 part apoxy adhesive + 1m circumference of the fridge area.
 - b. Coat/seal with PU coating + 1m circumference of the fridge area.
 - c. Hot or cold weld the joins + 1mtr circumference of the fridge area. As per OEM manual 7-5.







12 FLOORING JOINT NEAR REFRIGERATION CASE







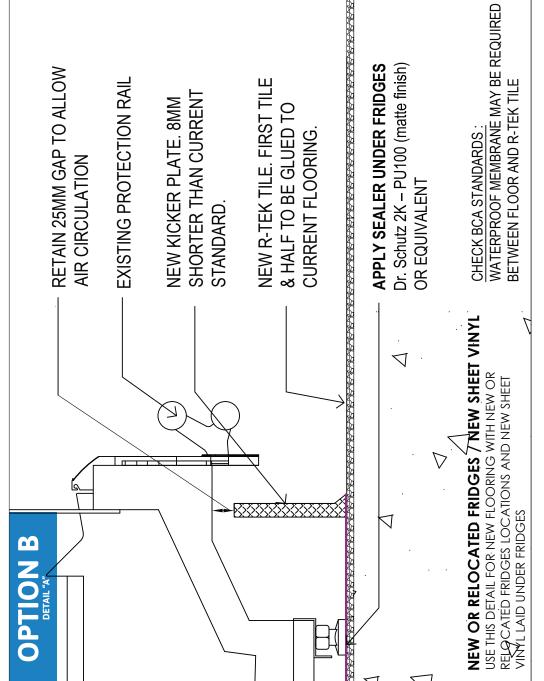






TYPICAL SECTION FLOORING JOINT NEAR REFRIGERATION CASE.

ETAIL 'A'

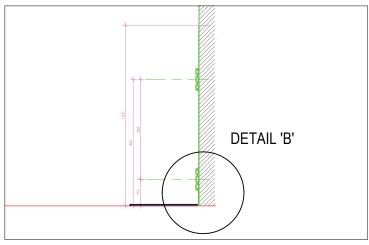




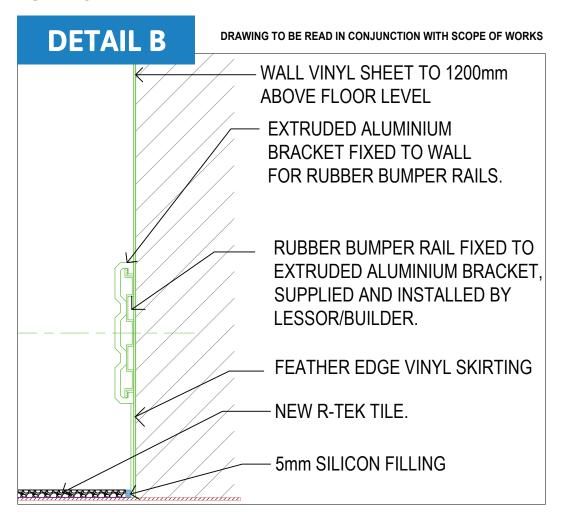




13 RUBBER RUBBING RAIL



TYPICAL SECTION DETAIL - SELLING AREA RUBBER RUBBING RAIL



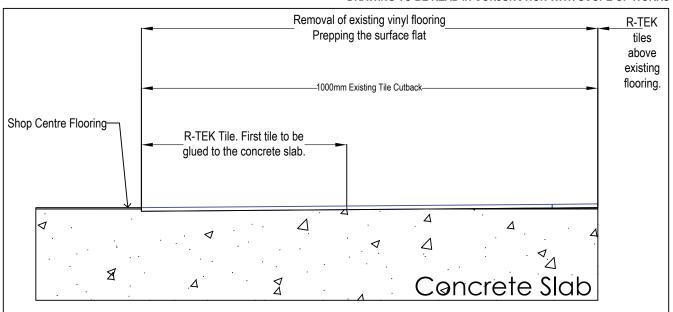




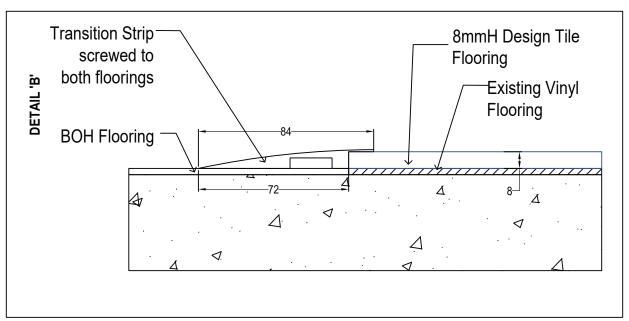


14 TILE TRANSITION

DRAWING TO BE READ IN CONJUNCTION WITH SCOPE OF WORKS



TYPICAL SECTION DETAIL - TRANSITION FROM SELLING AREA TO SHOPPING CENTRE FLOORING N.T.S.



TYPICAL SECTION DETAIL - TRANSITION FROM SELLING AREA TO BOH N.T.S.

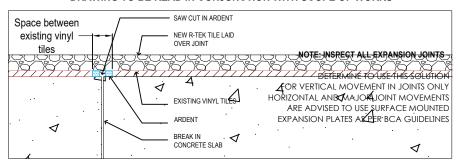




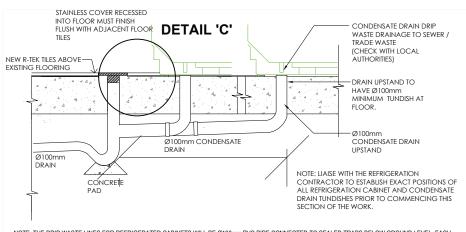


15 EXPANSION JOINTS & SFT/IO

DRAWING TO BE READ IN CONJUNCTION WITH SCOPE OF WORKS

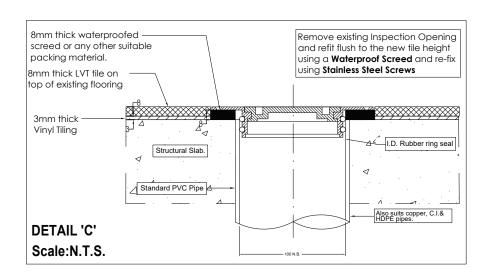


TYPICAL SECTION DETAIL - EXPANSION JOINTS IN FLOOR



NOTE: THE DRIP WASTE LINES FOR REFRIGERATED CABINETS WILL BE Ø100mm PVC PIPE CONNECTED TO SEALED TRAPS BELOW GROUND LEVEL. EACH TRAP SHALL BE FITTED WITH A 150x150x3 THICK DRAIN INSPECTION OPENING COMPLETE WITH Ø100mm FLUSH REMOVABLE CAP AND BE LOCATED IN FRONT OF THE REFRIGERATION CABINET. THE PLUG SHALL BE FLUSH WITH THE FLOOR TILES. THE BRANCH PIPE CAN BE CONNECTED TO Ø100mm UPVC, CAST IRON, 70/30 BRASS OR HDPE.

TYPICAL SECTION DETAIL - SFT/IO (CASES ON SHOP FLOOR)



Operations & Maintenance Manual for R-Tek Loose Lay Interlocking Design Tile Product
Version 4.0 Date 9/04/2018







16 PU-100 DATASHEET





Armstrong installation and maintenance products have been specially developed for vinyl floors.

The complete Armstrong system includes:

- Adhesives
- Tools & Equipment
- Floor Care Products
- Complete Range of Vinyl Extrusions

PRODUCT DESCRIPTION

Armstrong PU-100 is a solvent free VOC compliant Two Part Polyurethane Adhesive. This adhesive is designed to bond selected Armstrong floor coverings to most common interior sub floors.

USAGE

For installation of:

Vinyl floor coverings

(to areas where resistance to moisture, (such as ensuites) or additional bond strength is desirable)

SPECIAL PROPERTIES

- Low Voc
- Solvent-free
- Water-resistant
- Low odour

BONDS TO

Most common building substrates, such as:

- Concrete
- Masonite underlay
- Plywood underlay
- Fibre Cement underlay

DU-100

Solvent free

Two Part Polyurethane
Adhesive

Water resistant











PU-100 Two Part Polyurethane

DIRECTIONS

- Substrate preparation and installation must conform to Australian Standards
- Substrate must be structurally sound, dimensionally stable, clean, dust free and dry (test for moisture using an approved accurate moisture reading apparatus)
- Contaminants such as paints, crayons, grease, curing agents and bond breakers should be removed mechanically by grinding or shot blasting
- Acclimatise material to job conditions at between 15°C and 30°C for 24 hours prior to installation, maintain these temperatures during and after installation
- Open Part A container, remove satchel containing Part B
- Empty entire contents of Part B hardener satchel into entire Part A resin container
- Mix Parts A & B together, stir with a low speed (below 200 RPM) electric drill paddle until a uniform colour is obtained (no streaks). Stir for approx. 3 to 4 minutes.
- Apply the adhesive evenly with an Armstrong S-891 Fine Notch Steel Trowel (check trowel notch size)
- Install the floor covering into the wet adhesive. Please note this adhesive does not develop tack
- Ensure the floor covering makes good contact with the adhesive to enable complete transference of adhesive between the substrate and floor covering backing
- Roll the floor covering into the adhesive with a 45 kg roller prior to the adhesive setting
- Do not allow heavy traffic for 24 hours. Please note this adhesive has a pot life and is un-useable once the pot life has expired. The pot life is dependant on atmospheric conditions. The pot life of this adhesive when mixed is approx 45 to 60 minutes
- Remove excess adhesive prior to setting with methylated spirits (test in an inconspicuous area). Dry adhesive may only be removed mechanically, which can damage the floor

COVERAGE

Approx 2-2.5m²/kg

STORAGE/HANDLING

- Keep from freezing
- Shelf life is one year from date of manufacture if unopened
- Dispose of responsibly

NOTE: Do not reuse container. Dispose of container and adhesive residue in accordance with Federal, State and Local bodies waste disposal regulations. Do not flush adhesive down drains.

SAFETY PRECAUTIONS

Avoid eye and skin contact. If eye contact occurs, flush with water for 15 minutes and call physician. Do not take internally. If swallowed, do not induce vomiting, call physician immediately. After use wash skin thoroughly with soap and water.

During the installation process, adequate ventilation of the work area should be maintained, without causing the entry of contaminants to other parts of building. Persons who are sensitive to odours and/or chemicals should avoid the work area.

EXISTING RESILIENT FLOORING

<u>WARNING</u> Do not sand, dry sweep, dry scrape, drill, saw, bead blast, or mechanically chip or pulverise existing resilient flooring, backing, lining felt or asphaltic 'cutback' adhesives. These products may contain either asbestos fibres or crystalline silica.

Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard.

Smoking by individuals exposed to asbestos fibres greatly increases the risk of serious bodily harm.

Unless positively certain that the product to be removed is a non-asbestos containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content.

The warnings and guidance contained in these instructions in relation to the potential for asbestos in floor covering materials are given in good faith. However, regulations, codes and directives as to the best method of handling asbestos are under continual revision. It is the obligation of the installer to ensure that practises used are safe, without risk to health, and meet all legal requirements.

WARRANTY

IMPORTANT NOTICE TO PURCHASER – As the use of this product is beyond the manufacturer's control, liability is restricted to a replacement of any material proved faulty and the manufacturer is not responsible for any loss or damage arising from failure to follow the instructions for use.

CAUTION KEEP OUT OF REACH OF CHILDREN IF SWALLOWED SEEK MEDICAL ADVICE

MATERIAL SAFETY DATA SHEET

For a copy of a Material Safety Data Sheet or for Technical information please contact Armstrong Customer Service.

Free Call 1800 632 624 (Australia Only) Email customer services@armstrong.com

MADE IN AUSTRALIA FOR ARMSTRONG WORLD INDUSTRIES (AUSTRALIA) PTY LTD

29-39 MILLS ROAD, BRAESIDE VIC 3195 Ph. 03 9586 5500 Fax. 03 9580 4810 www.armstrong-aust.com.au







17 OPERATIONS & MAINTENANCE MANUAL APPROVAL

Appendix B: Operations & Maintenance Manual Approval

The undersigned acknowledge they have reviewed the R-TEK LOOSE LAY INERLOCKING DESIGN TILE Operations & Maintenance Manual and understand and there in.

Signature:	Date:
Print Name:	
Title:	
Role:	