

LIGHTWEIGHT CONSTRUCTION BOARDS · INSTALLATION MANUAL

Easy Board

INSTALLATION GUIDE

CONTENTS

Everything in this guide.

Eight sections — everything you need to specify, source, cut, fix, waterproof and finish an INSUTILE® Easy Board installation.

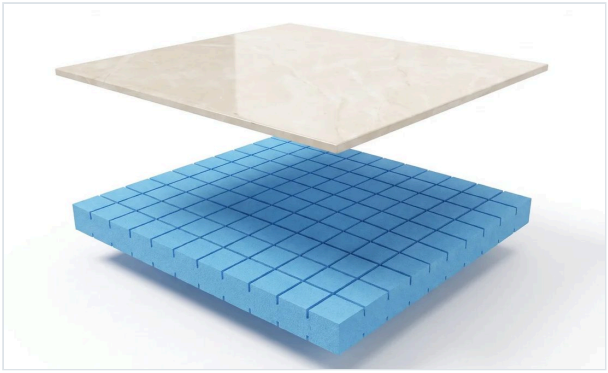
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01 · OVERVIEW

Pre-tiled insulation.

INSUTILE® Easy Board is a finished insulating tile: a porcelain tile factory-bonded to an extruded polystyrene (XPS) board with precision-cut slits. Installing the board installs the finish and the insulation layer in the same operation.

The precision-cut XPS core provides the thermal performance and keeps the panel light, while the bonded tile provides a hard-wearing, finished surface. Suitable for internal and external use on roofs, walls, and floors.



SIDE SECTION · INDICATIVE



PORCELAIN TILE · FACTORY BOND · PRECISION-CUT XPS CORE



STANDARD PANELS	COMPRESSION · CORE	λ · THERMAL	WATER ABSORPTION
4 sizes	≥ 300 kPa	≤ 0.034 W/mK	≤ 0.1 %

Note · values are indicative — dimensions, thickness and tile design are customizable on request.

02 · SCOPE OF SUPPLY

Boards and accessories.

INSUTILE® manufactures the tile backer boards. Installation accessories are standard tile-installation products, contractor-sourced; INSUTILE® equivalents are available to order on request, and custom accessories can be manufactured to specification.

BOARDS

Supplied from our factory.

B01	**Build Board**	XPS tile backer · 4–80 mm
B02	**Flex Board**	Curved & shaped applications
B03	**Angle Board**	Pre-formed angle · wet-area corners
B04	**Shower Underlay Board**	Sloped tray substrates
B05	**Easy Board**	Pre-tiled insulation panel

Direct from INSUTILE® — no MOQ on standard sizes.

CONTRACTOR-SOURCED · INSUTILE® EQUIVALENTS BY ORDER

Accessories.

MSP Sealant & Adhesive
Bonding · sealing · extra hold

Waterproof Sealing Tape
Joints & junctions

Joint Reinforcing Tape
Alkali-resistant mesh

Fixing Washers & Screws
Primary mechanical fix

Waterproofing Membrane
Two-coat, wet areas

Tile Adhesive
Flexible thin-set

Waterproof Corner Seals
Internal corners · wet areas

Edge Profiles
Clean exposed edges

Pre-Applied Double-Sided Tape
Hands-free positioning

Shower Drains · Point & Line
Tray outlets

Fleece Waterproofing Layer
Surface waterproofing

Source from your preferred brand, or order INSUTILE® equivalents — insutile.com/accessories

CUSTOM ACCESSORIES ON REQUEST

Accessories can be manufactured to your specification, subject to a minimum order quantity that varies by product. Confirm MOQ and lead times with the INSUTILE® team before specifying.

FIXATION METHOD · ADHESIVE BED IS THE STANDARD

Easy Board is laid in a full bed of cement-based tile adhesive — no mechanical fixing through the tile face.

03 · CHECKLIST

Tools & materials.

Check the site has everything below before you start.

Essential tools

09 ITEMS

- [ ] **Tape measure** — T01
  5 m minimum · metric scale
- [ ] **Spirit level** — T02
  1200 mm recommended
- [ ] **Angle grinder · diamond blade** — T03
  Cutting through the tile face
- [ ] **Wet tile saw** — T04
  Clean cuts on visible edges
- [ ] **10 mm notched trowel** — T05
  Primary tool · adhesive bedding
- [ ] **Rubber mallet** — T06
  Bedding & levelling panels
- [ ] **Tile spacers · levelling clips** — T07
  Consistent joints across the field
- [ ] **Pencil / marker** — T08
  Soft pencil preferred
- [ ] **PPE** — T09
  Gloves · goggles · dust mask

Materials

09 ITEMS

- [ ] **INSUTILE® Easy Board** — M01
  Panels in the specified design · see section 04
- [ ] **Flexible tile adhesive •** — M02
  Cement-based · full-bed application
- [ ] **Waterproofing membrane •** — M03
  Roofs · terraces · wet areas
- [ ] **Primer •** — M04
  Where the adhesive system requires it
- [ ] **Levelling compound •** — M05
  Substrate preparation
- [ ] **Grout •** — M06
  Suited to the exposure · colour-matched
- [ ] **Flexible sealant •** — M07
  Movement joints · perimeters
- [ ] **Edge profiles •** — M08
  Where edges stay exposed
- [ ] **Drainage components •** — M09
  Outlets · mats · as specified

SUPPLY NOTE · SEE SECTION 02

Items marked • are contractor-sourced standard products; INSUTILE® equivalents are available to order on request.

04 · DIMENSIONS MATRIX

Available sizes.

Four standard panel sizes in four thicknesses, with the tile design and edge profile selected at order.
Other dimensions and thicknesses are customisable on request. All dimensions in millimetres.

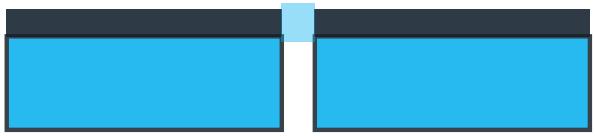
AXIS	STANDARD	CUSTOM
Dimensions	300 × 300 · 300 × 600 · 600 × 600 · 600 × 1200	other dimensions on request
Thickness	20 · 30 · 40 · 50	customizable on request
Tile design	4 standard designs	any design sourced to order
Edge profile	Tongue & groove · straight cut	selected at order

TONGUE & GROOVE



STEPPED EDGES INTERLOCK · CONTINUOUS INSULATION

STRAIGHT CUT



BUTT-JOINTED · GROUTED AS A CONVENTIONAL FINISH

CUSTOM · MADE TO ORDER

Panel dimensions follow the tile format — any tile design can be sourced and bonded to order. Confirm sizing, MOQ and lead time with the INSUTILE® team before specifying.

05 · INSTALLATION

Seven steps.

1 2 3 4 5 6 7

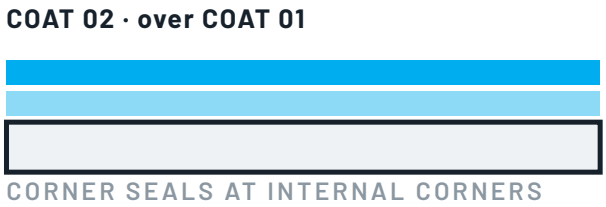
01 Surface preparation STEP 01



The substrate must be clean, dry, structurally sound, and free of loose material or laitance. External applications: confirm the slab falls towards the drainage outlets. Fill depressions with levelling compound and let it cure.

> **Tip ·** The finished surface follows the substrate — find highs and lows with a long spirit level before anything is laid.

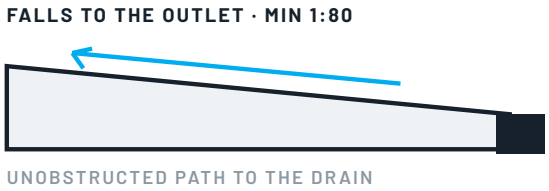
02 Waterproofing STEP 02



Roofs, terraces and wet areas: apply the waterproofing membrane to the prepared substrate in two coats, with corners, upstands and penetrations fully detailed. Confirm the membrane is compatible with cement-based tile adhesives.

> **Tip ·** Let the membrane cure fully before bedding panels — check the manufacturer's overcoat and cure times.

03 Drainage STEP 03



Confirm outlets, gullies and rainwater paths before any panel is laid — water must have an unobstructed route across the finished level. Where a drainage layer or mat is specified, install it over the membrane per the specification.

> **Tip ·** Dry-check the falls with a bucket of water at the highest point — it should reach the outlet without ponding.

04 Layout & dry-fit STEP 04



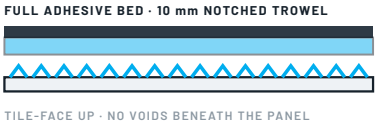
Set out from the drainage outlet or the leading edge. Dry-lay the first rows to balance cuts at the perimeter, staggering joints between courses. Cut panels from the tile face with an angle grinder or wet tile saw.

> **Tip ·** Plan cut panels at upstands and perimeters, keeping cut edges away from the main sightlines.

05 · INSTALLATION · CTD.

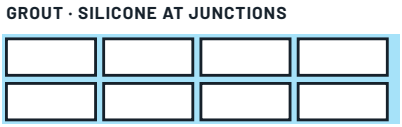
Bed. Joint. Finish.

05 Bedding STEP 05



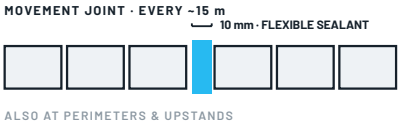
Apply cement-based flexible tile adhesive with a 10 mm notched trowel in a full, even bed. Lay panels tile-face up, press and tap level with a rubber mallet — no voids beneath the panel.

06 Jointing STEP 06



Grout the joints between panels as a conventional tiled finish, with a grout suited to the exposure. Tongue-and-groove panels interlock; straight-cut panels are butt-jointed with a standard joint.

07 Finishing STEP 07



In large areas, provide a 10 mm movement joint approximately every 15 m — and at perimeters and upstands — filled with flexible sealant. Clean the surface and allow full cure before traffic.

EDGE PROFILES · SEE SECTION 04

Tongue-and-groove edges interlock and keep the insulation layer continuous across the joint. Straight-cut edges are butt-jointed and grouted conventionally. Both are tiled surfaces when finished — the choice is made at order.

NOTE · RECOMMENDED GUIDE · CONTRACTOR DISCRETION

The steps above are an indicative installation guide. INSUTILE® Easy Board is laid in a full bed of cement-based tile adhesive — alternative build-ups that meet the substrate, waterproofing, drainage and load requirements are acceptable. Always follow local building codes and the adhesive / membrane manufacturer's instructions.

INDICATIVE CURE TIMELINE

Δt · hours

0h **24h** · adhesive cure **48h** · membrane cure **72h** · grout & silicone cure ▪ READY FOR WATER

06 · PERFORMANCE CHARACTERISTICS

Key features & benefits.

The performance characteristics of a pre-tiled insulation panel, compared with a screed-and-tile build-up.

F01

Single-step installation

The finish and the insulation layer are installed in the same operation — no screed stage and no separate tiling trade.

1 layer FINISH + INSULATION

F02

Thermal insulation

Thermal conductivity ≤ 0.034 W/mK from the closed-cell XPS core — performance maintained in humid and wet conditions.

λ ≤ 0.034 W/MK

F03

Waterproof XPS core

Closed-cell core absorbs ≤ 0.1 % water — suitable for exposed roofs, terraces, pool surrounds, and wet areas.

≤ 0.1 % WATER ABSORPTION

F04

Lightweight

A fraction of the weight of screed-and-tile build-ups — reduces permanent loads on roofs and suits lightweight structures.

Low load VS SCREED + TILE

F05

Dimensional stability

The XPS core doesn't warp, expand, or shrink with temperature or humidity — the tiled surface stays flat year-round.

Zero creep TEMP / HUMIDITY

F06

Hard-wearing porcelain face

Factory-bonded porcelain tile provides a finished, trafficable, weather-resistant surface straight off the panel.

Porcelain FACTORY-BONDED

F07

Any tile design

Four standard designs, or any tile sourced and bonded to order to suit the specification.

4 + custom DESIGNS

F08

Two edge profiles

Tongue-and-groove for interlocked, continuous insulation — or straight cut for conventional butt-jointed work.

T&G · straight SELECTED AT ORDER

F09

Renovation & re-roofing

Upgrades the insulation and the finish of an existing roof or floor in one operation, with minimal added build-up.

Overlay ONE OPERATION

07 · WHERE TO USE

Applications.

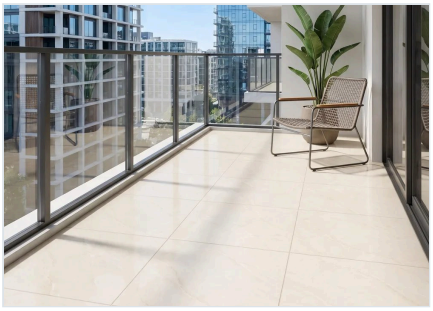
From exposed roofs and terraces to pool surrounds and facades — INSUTILE® Easy Board is specified wherever a finished surface and an insulation layer go in together.



ROOF · TERRACE

Roofs & terraces

A finished, insulated roof surface in a single layer — no screed and no separate tiling stage.



BALCONY

Balconies

A weather-resistant finished surface with insulation value on exposed balcony slabs.



FACADE

Exterior walls & cladding

Insulated tiled facades and wall finishes, installed as one panel.



POOL

Pool surrounds

Hard-wearing, water-resistant deck finish for pool surrounds and leisure areas.



FLOORS

Floors

Insulating floor finish for internal and external areas, laid directly on the substrate.



RENOVATION

Renovation & re-roofing

Upgrades the insulation and the finish of an existing roof or floor in one operation.

08 · CONTACT & SUPPORT

Reach the team.

For technical support, product enquiries, specification assistance, or to request a quote — reach the INSUTILE® team directly.

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