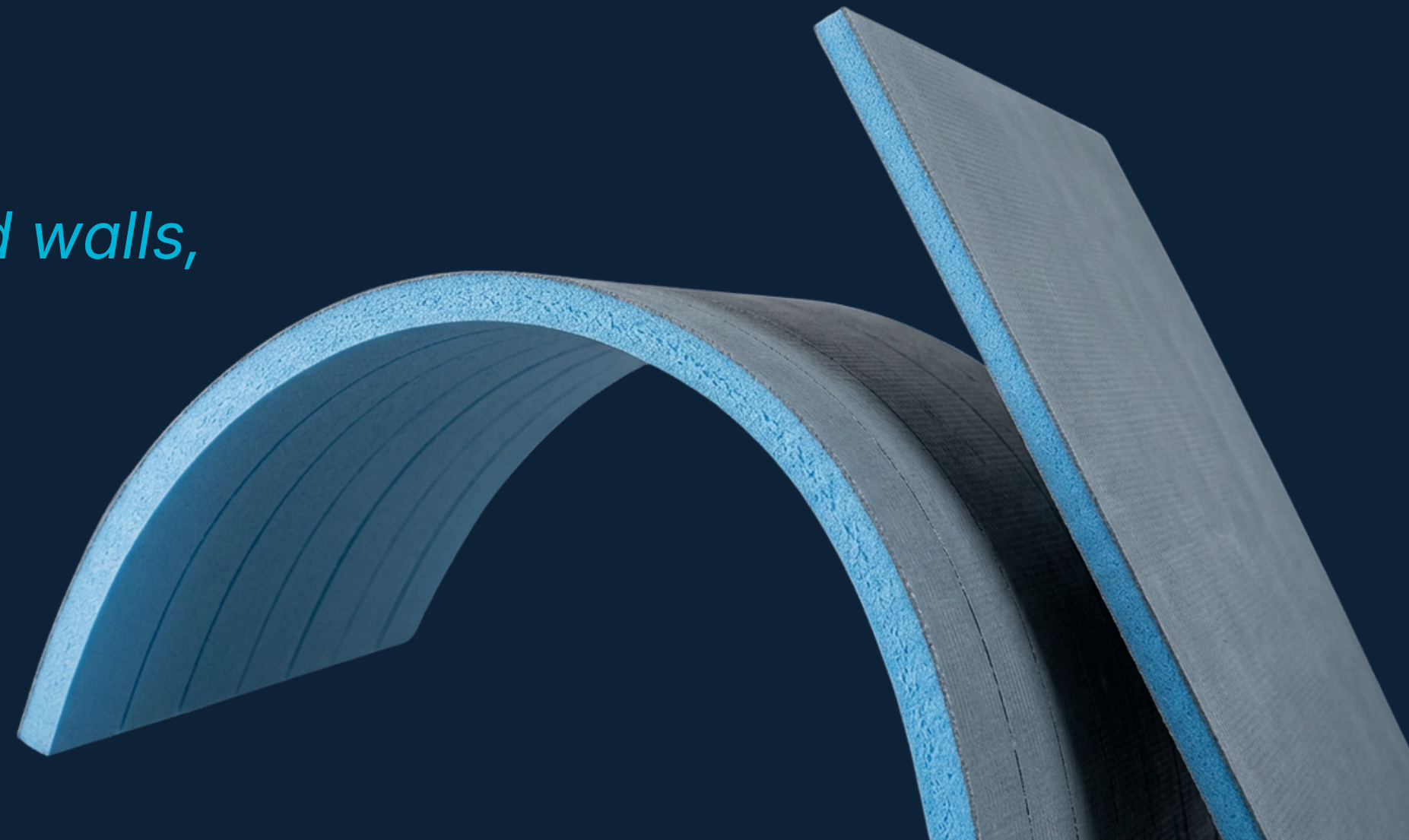


INSUTILE®

Lightweight Construction Boards

FLEX BOARD

Bendable XPS tile backer board for curved walls, archways, and columns



(+2) 02 23228200



www.insutile.com



Product Overview

INSUTILE® Flex Board is a specially engineered extruded polystyrene (XPS) tile backer board designed to bend to curved profiles. Precision-cut grooves on one face allow it to conform to concave and convex curves — making curved tiled surfaces more achievable, more affordable, and far less time-consuming than traditional methods.

The reinforced cementitious surface bonds reliably with all standard tile adhesives, making it the ideal substrate for tiling curved walls, archways, columns, and any radius design.

Board Construction

XPS Core: Closed-cell, rigid base material, inherently waterproof.

Flex Grooves: Precision-cut parallel grooves allow smooth bending to required radius.

Fiberglass Mesh: Alkali-resistant reinforcement on both faces, even when curved.

Cementitious Mortar: Polymer-modified coating for tile bond. No priming.



Available Sizes

Description	Thickness (mm)	Width (mm)	Length (mm)
Insutile® Small	4 / 6 / 10 / 12.5 / 20 / 30 / 40 / 50 / 60	600	1200
Insutile® Large	10 / 12.5 / 20 / 30 / 40 / 50 / 60	600	2400

Key Features & Benefits



Curves Made Easy

Flex grooves allow smooth bending. No specialist skills or expensive formwork.



Cost-Effective

Dramatically cheaper than wet plastering, GRG moulding, or custom formwork.



Waterproof

Closed-cell XPS absorbs virtually zero moisture. No mould growth.



Lightweight

Up to 85% lighter than cement alternatives. Easy to handle and bend.



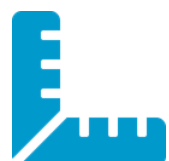
Excellent Tile Adhesion

Cementitious coating bonds with all standard adhesives. No priming.



Thermal Insulation

0.034 W/mK. Adds insulation to curved features.



Dimensional Stability

Curved surfaces stay true to profile year-round.



Versatile Radius Range

Multiple thicknesses for different minimum bend radii.

Applications



Archways & Arches

Tiled archways in doorways, windows, and passageways.



Curved Walls

Feature walls in lobbies, reception areas, and retail.



Columns & Pillars

Wrap round columns with a seamless tile-ready surface.



Curved Showers

Walk-in showers with curved entry or interior walls.



Feature Alcoves

Dramatic curved alcoves and niches.



Spa & Wellness

Curved steam rooms and hydrotherapy areas.

INSUTILE®

Lightweight Construction Boards

www.insutile.com

info@insutech-eg.com
(+2) 02 23228200

A product by INSUTECH