

● FLEXIBLE TILE BACKERS · XPS + CEMENTITIOUS · § 01 PRODUCT OVERVIEW

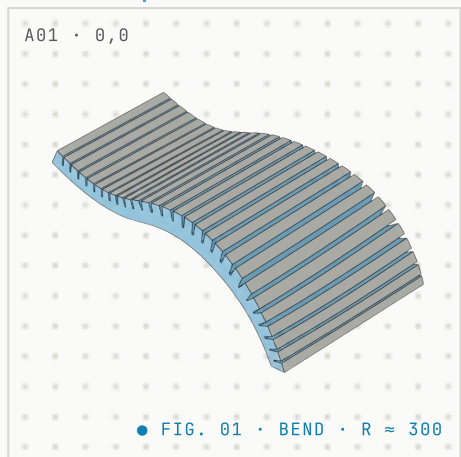
FLEX BOARD.

● BENDS EITHER WAY

WATERPROOF

20 MM · PRECISION-SLIT

PITCH 20 MM · HINGE 3 MM



● § 01 · DESCRIPTION

INSUTILE® Flex Board is a specially engineered extruded polystyrene (XPS) tile backer designed to bend. Precision-cut grooves on one face — 20 mm pitch, 17 mm deep — let the board wrap smoothly around concave and convex radii without cutting the reinforced cementitious skin.

The reinforced surface bonds reliably with all standard tile adhesives — making Flex Board the ideal substrate for tiling curved walls, archways, columns and bullnose steps with the same thermal, waterproof, and dimensional performance as a flat Build Board.

● § 02 · KEY FEATURES

● 01 Bends Either Way	● 02 Precision-Slit 20 mm Pitch	● 03 3 mm Continuous Hinge	● 04 Minimum Radius ≈ 200 mm	● 05 Waterproof Skin Preserved
● 06 High Mechanical Strength	● 07 Excellent Tile Adhesion	● 08 Thermal Insulation	● 09 Mould & Mildew Resistant	● 10 No On-Site Kerfing Required

● § 03 · APPLICATIONS

- Curved Walls & Partitions
- Archways & Alcoves
- Columns & Pilasters
- Bullnose Steps & Risers
- Curved Vanity Fronts
- Barrel-Vault Ceilings
- Spa & Pool Curved Surrounds
- Reception-Desk Fronts
- Commercial & Residential Curved Tile

§ 04 · DIMENSIONS MATRIX

Available sizes.

Supplied in a single 20 mm thickness, 600 mm wide, in two lengths. Slits are precision-cut at 20 mm pitch to 17 mm depth — leaving a continuous 3 mm hinge of reinforced mortar.

SKU	WIDTH (MM)	LENGTH (MM)	THICKNESS (MM)	SLITS
FB-S	600	1200	20	Pitch 20 · Depth 17 · Hinge 3
FB-L	600	2400	20	Pitch 20 · Depth 17 · Hinge 3

§ 05 · TECHNICAL SPECIFICATIONS

INSUTILE® reserves the right to modify specifications at any time without prior notice.

PROPERTY	VALUE	STANDARD / NOTE
CORE MATERIAL	Extruded polystyrene (XPS)	Closed-cell, high-density
SURFACE FINISH	Cementitious, fibreglass mesh	Both faces, pre-slotted one face
BEND RADIUS	200 mm	Slits-inside, minimum
WATER ABSORPTION	≤ 0.1 %	EN 12087
CAPILLARY WATER UPTAKE	0 (none)	EN 1604
WATER PERMEABILITY	0 (impermeable)	EN 1604
COMPRESSIVE STRENGTH	≥ 300 kPa	EN 826
THERMAL CONDUCTIVITY	$\lambda \leq 0.036$ W/mK	EN 1604
REACTION TO FIRE	Class E	EN 13501-1

NOTE · 01 / MADE TO ORDER

Specifications are configured per project. Dimensions, thickness, density and edge treatment can be adjusted to suit site conditions and application. Contact our technical team for project-specific specification, tolerances and lead times.

MANUFACTURED BY

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