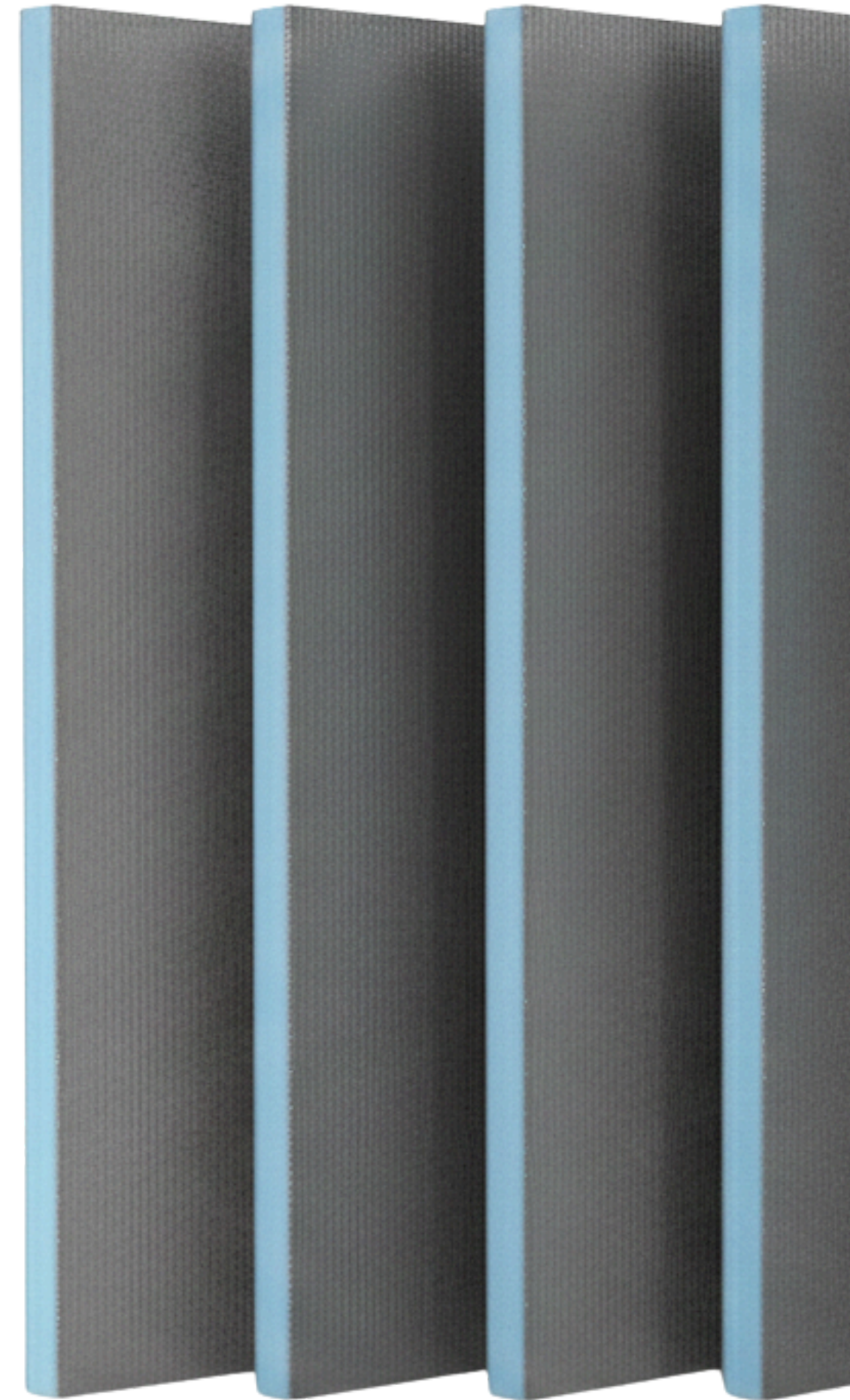




INSUTILE®

Lightweight Construction Boards



What is INSUTILE®?

Introducing INSUTILE®

INSUTILE® is a high-performance XPS tile backer board designed to support tile installations in both dry and wet environments.

It provides a **lightweight, waterproof, and durable** substrate that simplifies installation and improves long-term performance.

Key Advantages

- Lightweight and easy to handle
- 100% waterproof core
- Excellent tile adhesion
- Strong structural stability
- Suitable for walls and floors

INSUTILE® offers a modern alternative to traditional tile substrates.



INSUTILE[®] Structure

Engineered Board Structure

INSUTILE[®] combines advanced materials to deliver **strength**, **stability**, and **waterproofing performance**.

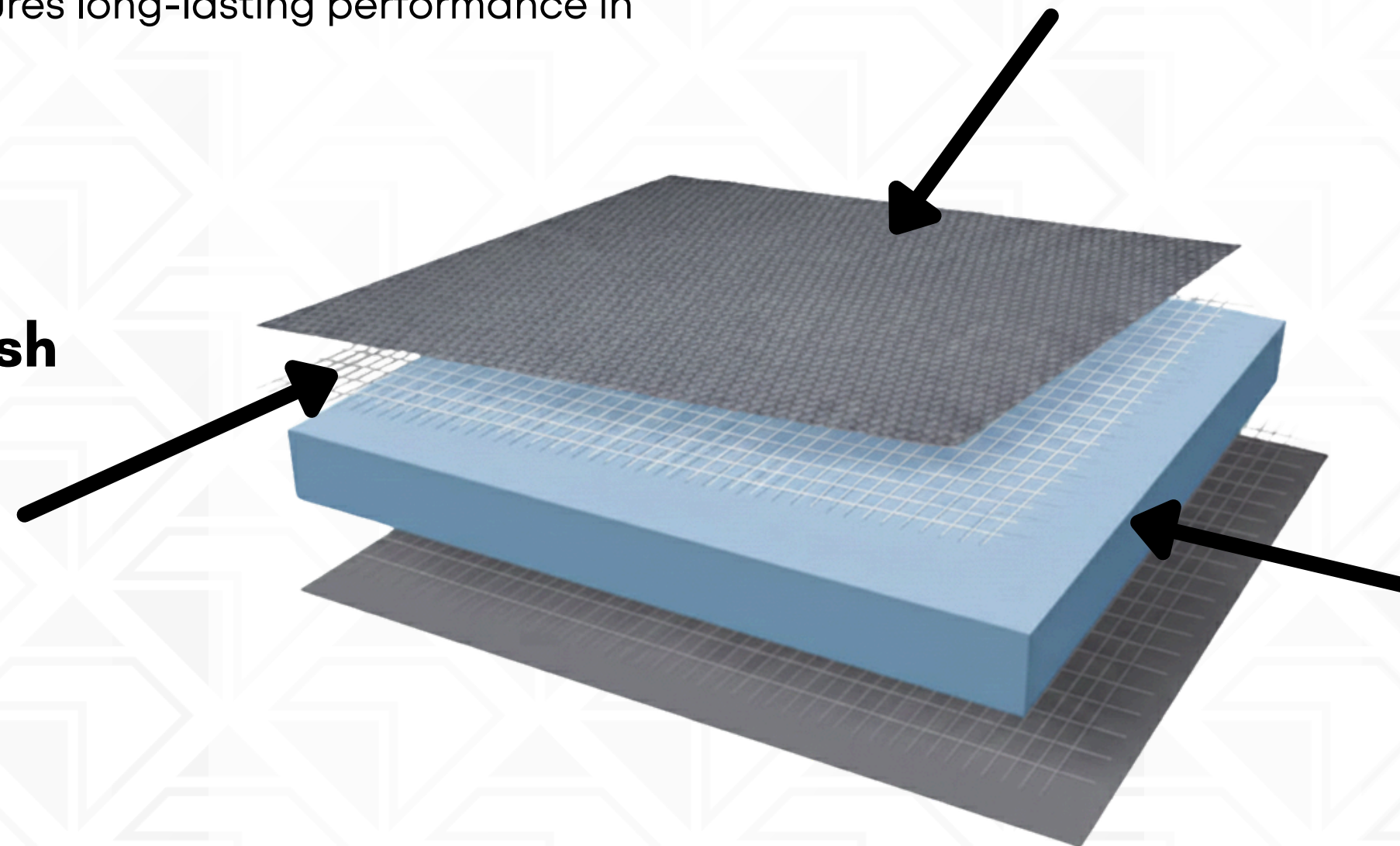
This multi-layer structure ensures long-lasting performance in demanding environments.

1 Cementitious Coating

Creates a strong surface for tile adhesion.

2 Fiberglass Mesh Reinforcement

Improves durability and dimensional stability.



3 Board Composition

XPS Core, provides lightweight structure, insulation, and water resistance.

Key Features

Why INSUTILE®?

INSUTILE® is engineered to provide a **strong** and **efficient** substrate for tile installations in both dry and wet environments. Its advanced structure combines a lightweight XPS core with reinforced surface layers to deliver **stability**, and long-term **durability**.

Designed to simplify on-site work while maintaining high performance, INSUTILE® offers a practical solution that improves installation efficiency and supports modern construction requirements.

These features make INSUTILE® the reliable and efficient choice for tile installations.



WATERPROOF
CORE



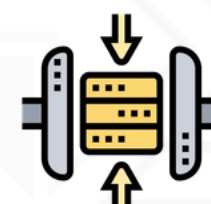
MOLD AND MOISTURE
RESISTANT



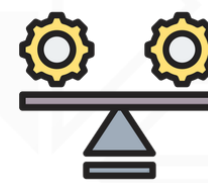
THERMAL INSULATION
PROPERTIES



LIGHTWEIGHT
CONSTRUCTION



HIGH COMPRESSIVE
STRENGTH



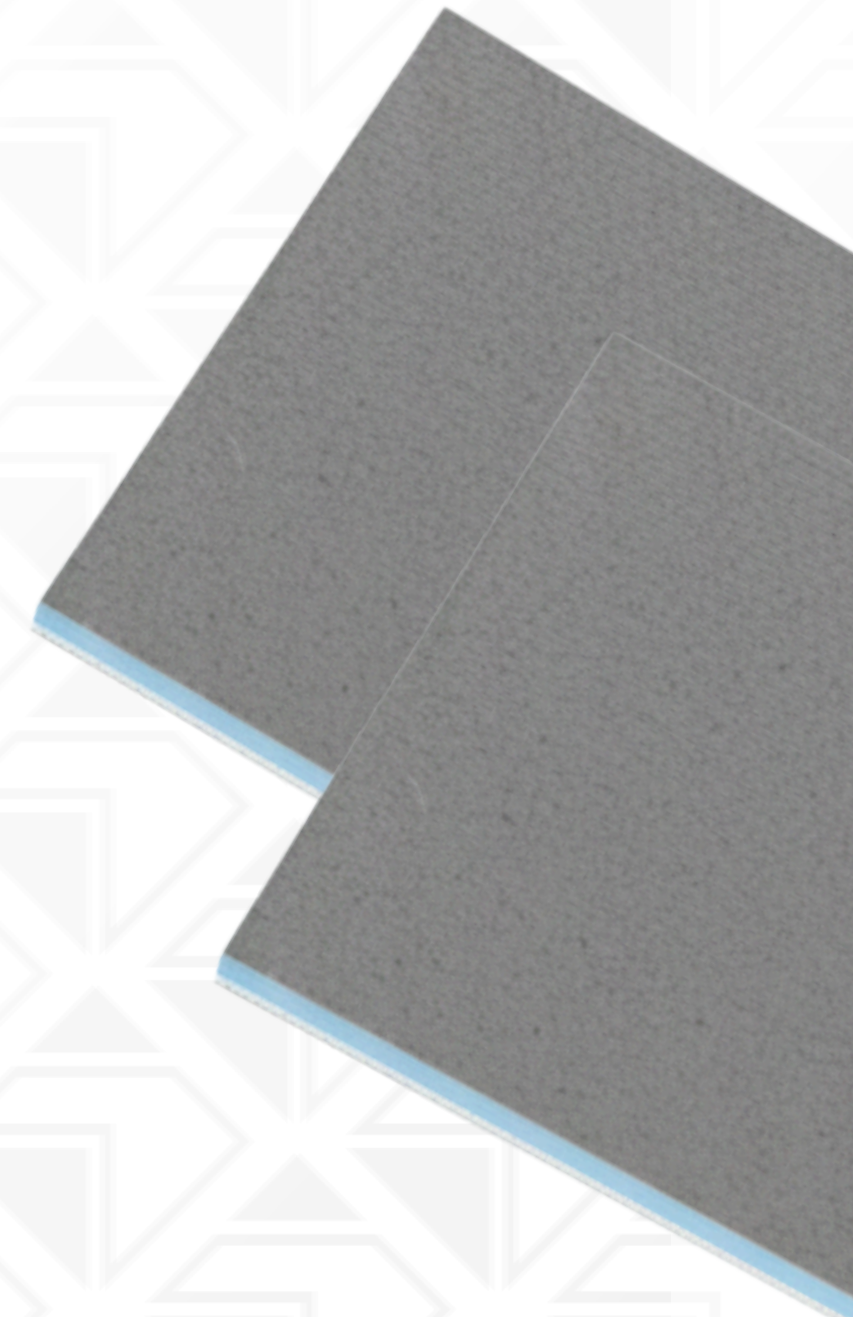
DIMENSIONALLY
STABLE



EXCELLENT TILE
ADHESION SURFACE



EASY TO CUT AND
SHAPE



Key Benefits

How INSUTILE® Helps You

INSUTILE® improves both installation **efficiency** and project **performance**.

Benefits

- Best option for renovations
- Faster installation compared to traditional boards
- Reduced labor costs
- Lower structural load due to lightweight design
- Improved durability in wet areas
- Long service life
- Increased construction productivity

INSUTILE® helps builders complete projects faster and more efficiently.



Industry Challenges

Challenges with Traditional Tile Substrates

Traditional tile backer materials often present several limitations that impact installation efficiency and long-term durability.

Common Issues:

- Heavy cement boards increase structural load
- Difficult and time-consuming installation
- Poor resistance to moisture penetration
- Risk of mold and water damage
- Limited thermal insulation performance
- Increased labor and transportation costs

Modern construction requires **lighter, faster,** and more **durable** solutions.

INSUTILE® vs Traditional Materials

Feature	INSUTILE®	Cement Board	Mortar Bed	Plywood
Weight	Lightweight	Heavy	Very heavy	Light
Waterproof	Yes	Limited	Moderate	No
Installation	Fast	Moderate	Slow	Moderate
Mold Resistance	High	Medium	Medium	Low
Thermal Insulation	Yes	No	No	Minimal

Installation Process

Simple Installation Process

INSUTILE® boards are designed for **quick** and **efficient** installation.

The **lightweight** structure makes handling and positioning easy on site.

1

Measure and Cut the Board

Measure the required dimensions and cut the Insutile board to size using a utility knife or standard cutting tools. The lightweight XPS core allows for precise and easy cutting on site.

2

Fix the Board to the Substrate

Secure the board to the wall or floor using suitable adhesive, screws, or fixing washers depending on the application and substrate type.

3

Seal the Joints

Seal all board joints with waterproof tape or sealing compound to ensure a continuous moisture-resistant surface, particularly in wet areas such as bathrooms and showers.

4

Apply Tile Adhesive

Spread tile adhesive evenly across the board surface using a notched trowel to create the proper bonding layer for tile installation.

5

Install Tiles

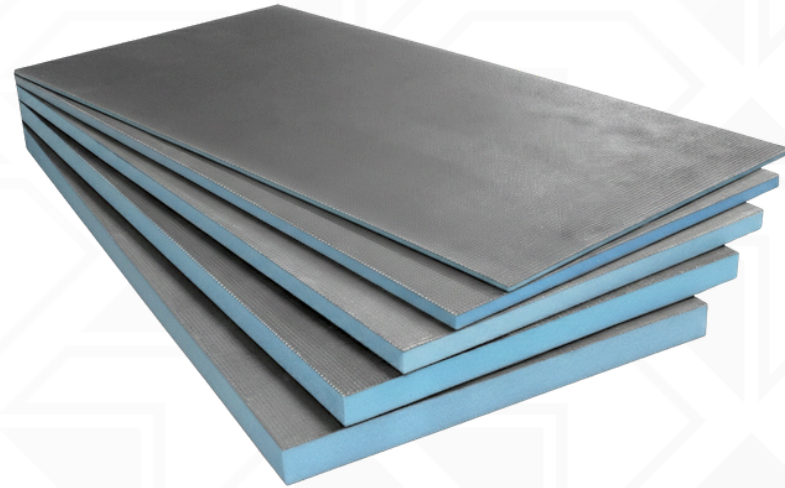
Place tiles onto the adhesive layer and adjust as needed to achieve proper alignment and spacing before the adhesive cures.

Technical Data

Sizing and Specs

INSUTILE® boards are engineered to provide a **strong, lightweight, and moisture-resistant** substrate for tile installations. The board offers durability, dimensional stability, water resistance, and thermal insulation, ensuring reliable performance in residential and commercial tile applications.

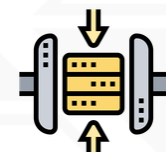
**Detailed technical data is available in the INSUTILE® TDS.*



WATERPROOF CORE



THERMAL INSULATION PROPERTIES



HIGH COMPRESSIVE STRENGTH

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

Thermal Performance and U-Values

Strong and Efficient Performance

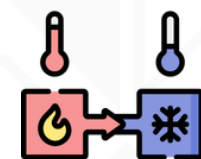
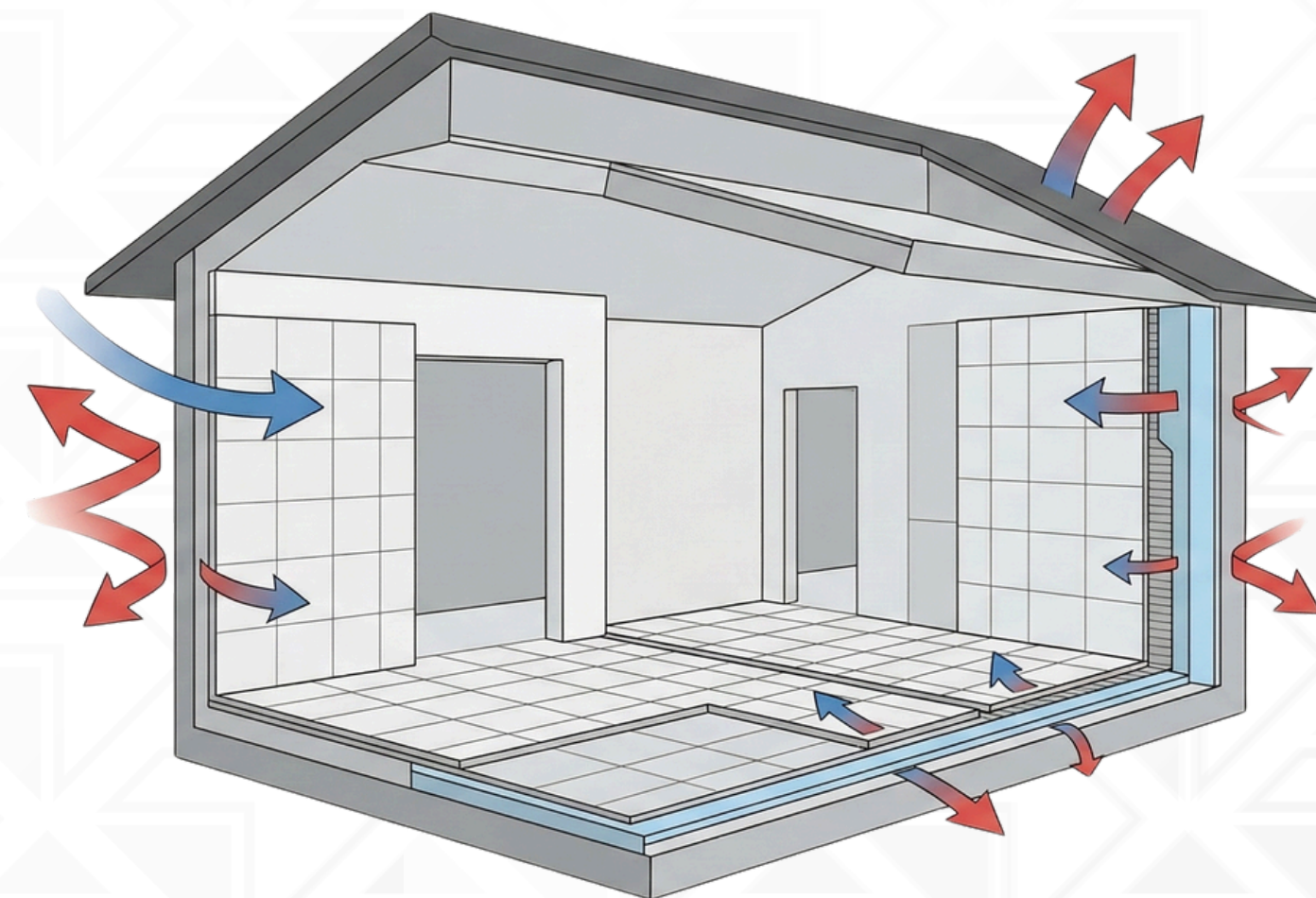
In addition to serving as a durable tile substrate, INSUTILE® also contributes to improved building thermal performance. The XPS core provides **thermal insulation** that helps **reduce heat transfer** through walls and floors, improving overall **energy efficiency**.

Unlike traditional tile backer materials such as cement boards or mortar beds, INSUTILE® adds an insulating layer behind the tile system, helping maintain more stable indoor temperatures.

Understanding U-Value:

The U-value measures how much heat passes through a building element. **Lower U-values indicate better insulation performance** and reduced heat loss.

By incorporating INSUTILE®, you are able to **significantly bring down the U-Value** of structures that would have used traditional or alternative materials.



REDUCED HEAT TRANSFER



IMPROVED INDOOR COMFORT



ADDITIONAL INSULATION



ENERGY EFFICIENT

INSUTILE® Efficiency

Cost Saving and Construction Efficiency

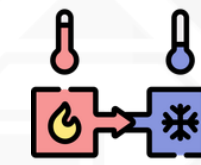
INSUTILE® helps **reduce both installation costs and long-term energy consumption** by combining lightweight construction with thermal insulation properties. Compared to traditional tile substrates, INSUTILE® simplifies installation while contributing to improved building energy performance and a reduced carbon footprint.

Installation Cost Benefits:

- Lightweight boards reduce labor cost and speed
- Faster installation time compared to mortar beds and cement boards
- Easy cutting and handling reduces installation complexity
- Lower transportation and material handling costs



**ENERGY
EFFICIENT**



**REDUCED HEAT
TRANSFER**



**FASTER
CONSTRUCTION**



**LOWER
COSTS**



**EASIER
RENOVATION**



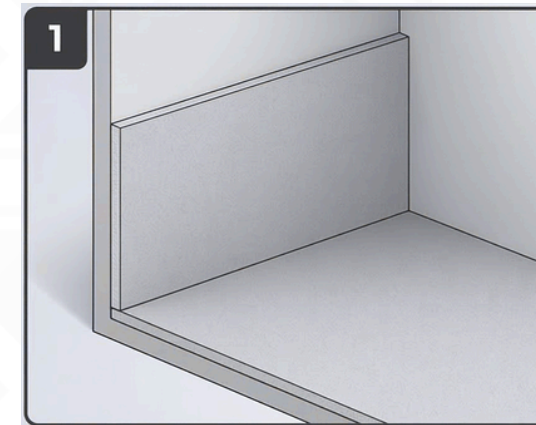
**STRONG
ADHESION**

INSUTILE® Products

A Wide Variety of Products and Solutions

The INSUTILE® range includes a variety of specialized boards designed to support different construction and tile installation needs. Each product is developed using the same **lightweight, waterproof** XPS core technology while being optimized for specific applications.

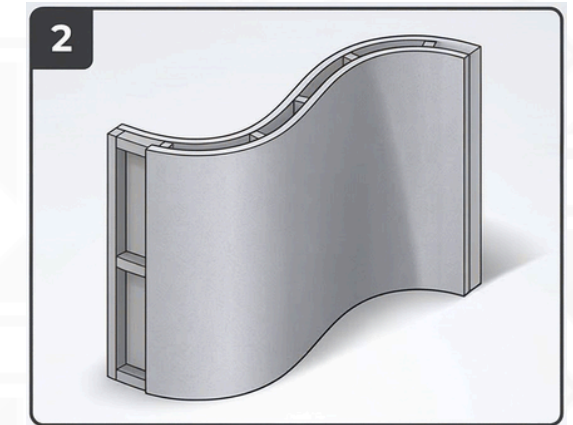
Check out our full range of Boards and please contact us for more information on specs and customization.



1

INSUTILE® Build Board

The main construction board used in most tile installation applications, providing a strong and stable substrate for walls, floors, and general building structures.



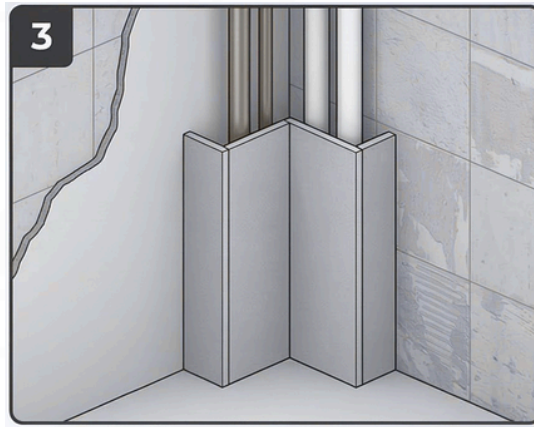
2

INSUTILE® Flex Board

A flexible board designed for curved shapes and architectural elements such as curved walls, panels, and partitions.

INSUTILE® Products

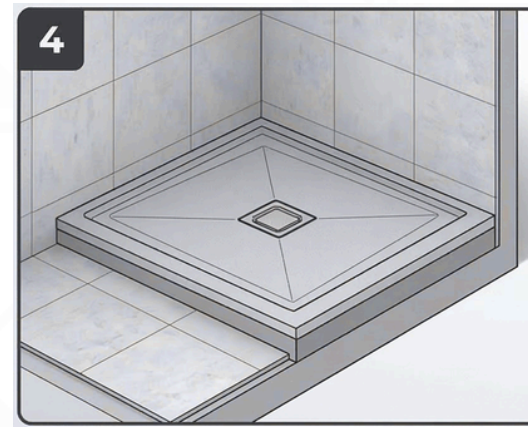
A Wide Variety of Products and Solutions



3

INSUTILE® Angles

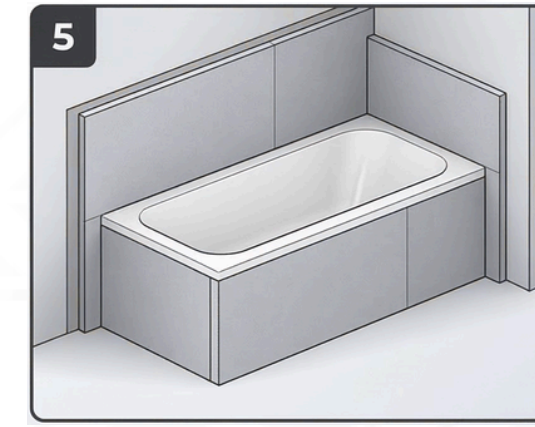
Pre-formed boards designed for boxing and covering exposed pipes, creating a smooth surface ready for tiling.



4

INSUTILE® Shower Board

Specially designed boards for shower floors, providing a waterproof and stable base for tiled shower systems.



5

INSUTILE® Bathtub Board

Boards designed for installation around bathtubs, creating a durable and water-resistant surface ready for tile installation.

INSUTILE® Applications

Where INSUTILE® Is Used

INSUTILE® can be used in a wide range of residential and commercial environments.

Residential:

- Bathrooms
- Shower systems
- Kitchen walls
- Interior tile walls
- Renovation projects

Commercial:

- Hotels and resorts
- Hospitals
- Spa and wellness facilities
- Swimming pool areas
- Commercial kitchens

Its waterproof structure makes it ideal for **wet areas and tile installations.**



INSUTILE® Applications

INSUTILE® Bathroom Systems

INSUTILE® can be used in several areas inside a bathroom because its XPS core is **waterproof, lightweight, and stable**, making it ideal for wet environments.

- Shower walls
- Bathroom walls
- Bathroom floors
- Bathtub surrounds
- Shower benches and built-in features (niches, shelves)
- Bathroom renovation projects

Overall, INSUTILE® helps create **durable, waterproof, and energy-efficient** tiled bathroom systems while simplifying installation for contractors and builders.



INSUTILE® Applications

Angles Pipe Boxing

INSUTILE® Angles is designed for pipe boxing and is a **fast** and **reliable** solution for concealing plumbing pipes in bathrooms and wet areas.

Using durable tile backer boards, it creates a **strong, stable** structure that can be **easily shaped** to form neat enclosures around exposed pipework. The boards provide an ideal substrate for tiles, ensuring a smooth, professional finish while protecting pipes and maintaining access where needed.

Lightweight, moisture-resistant, and easy to cut and install, INSUTILE® pipe boxing simplifies construction and helps achieve a clean, modern appearance in tiled environments.



INSUTILE® Applications

Curves and Shapes

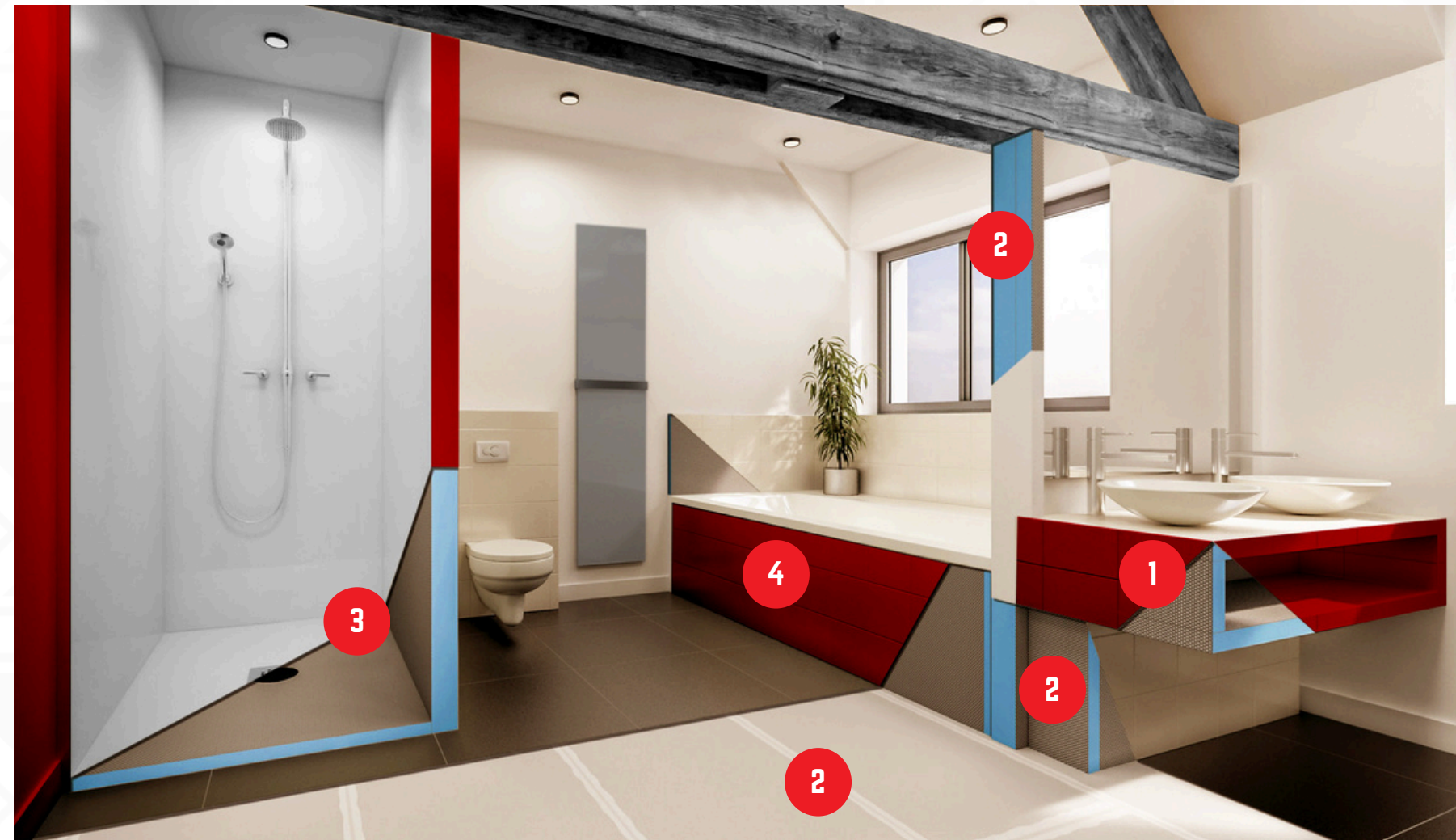
INSUTILE® boards can be **easily cut, shaped, and adapted** on site, allowing them to follow both straight and curved surfaces. This **flexibility** makes them suitable for creating custom architectural elements such as curved walls, rounded shower areas, niches, benches, and decorative bathroom features.

By combining a lightweight XPS core with a **reinforced surface**, INSUTILE® provides the **stability** needed for tile installations while allowing designers and installers to achieve complex shapes and smooth curves in interior spaces.



INSUTILE® Applications

Variety of Applications



1

INSUTILE® Flex Board

2

INSUTILE® Build Board

3

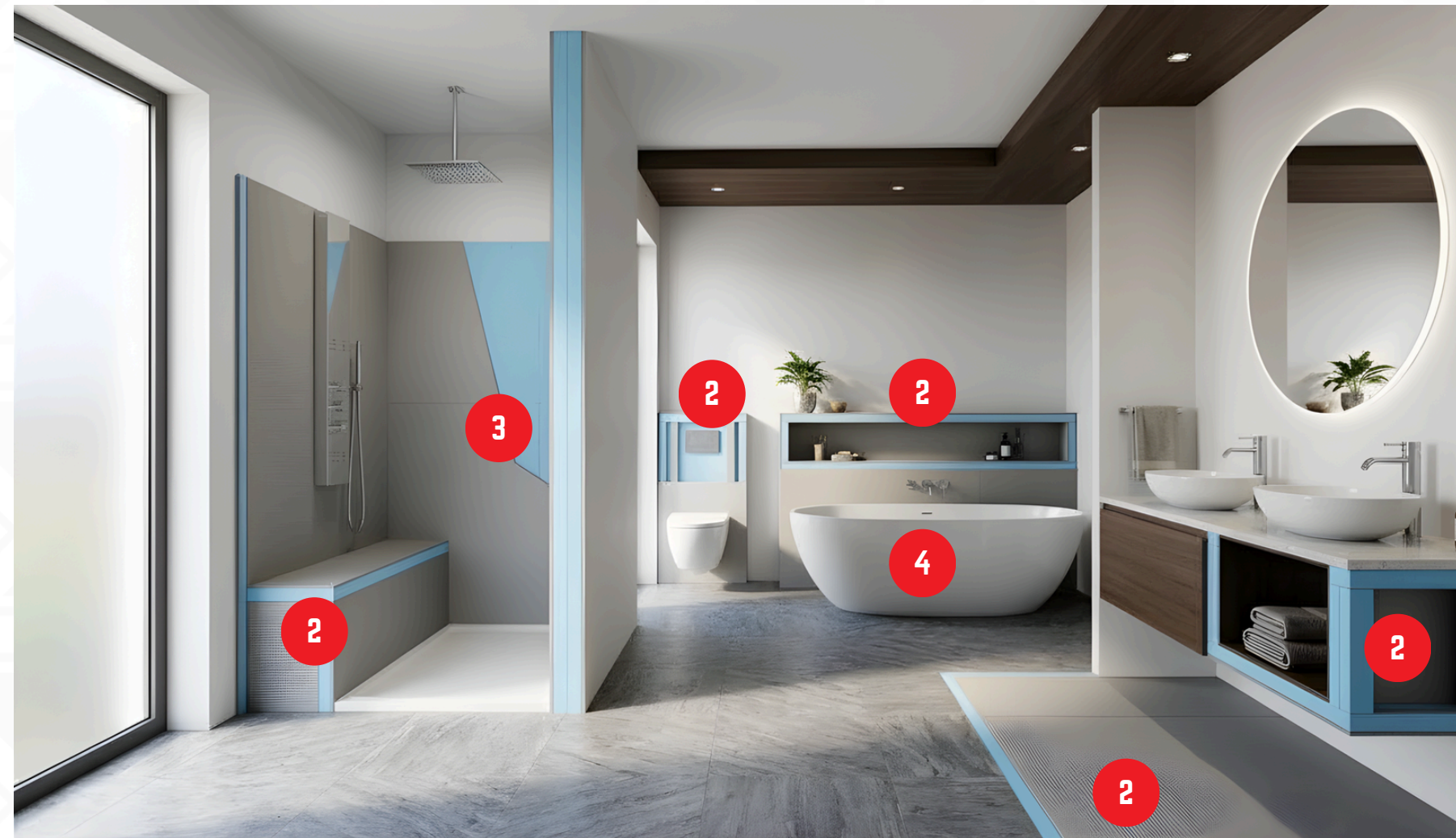
INSUTILE® Shower Board

4

INSUTILE® Bath Board

INSUTILE® Applications

Variety of Applications



1

INSUTILE® Flex Board

2

INSUTILE® Build Board

3

INSUTILE® Shower Board

4

INSUTILE® Bath Board

INSUTILE® Applications

Variety of Applications



1

INSUTILE® Flex Board

2

INSUTILE® Build Board

3

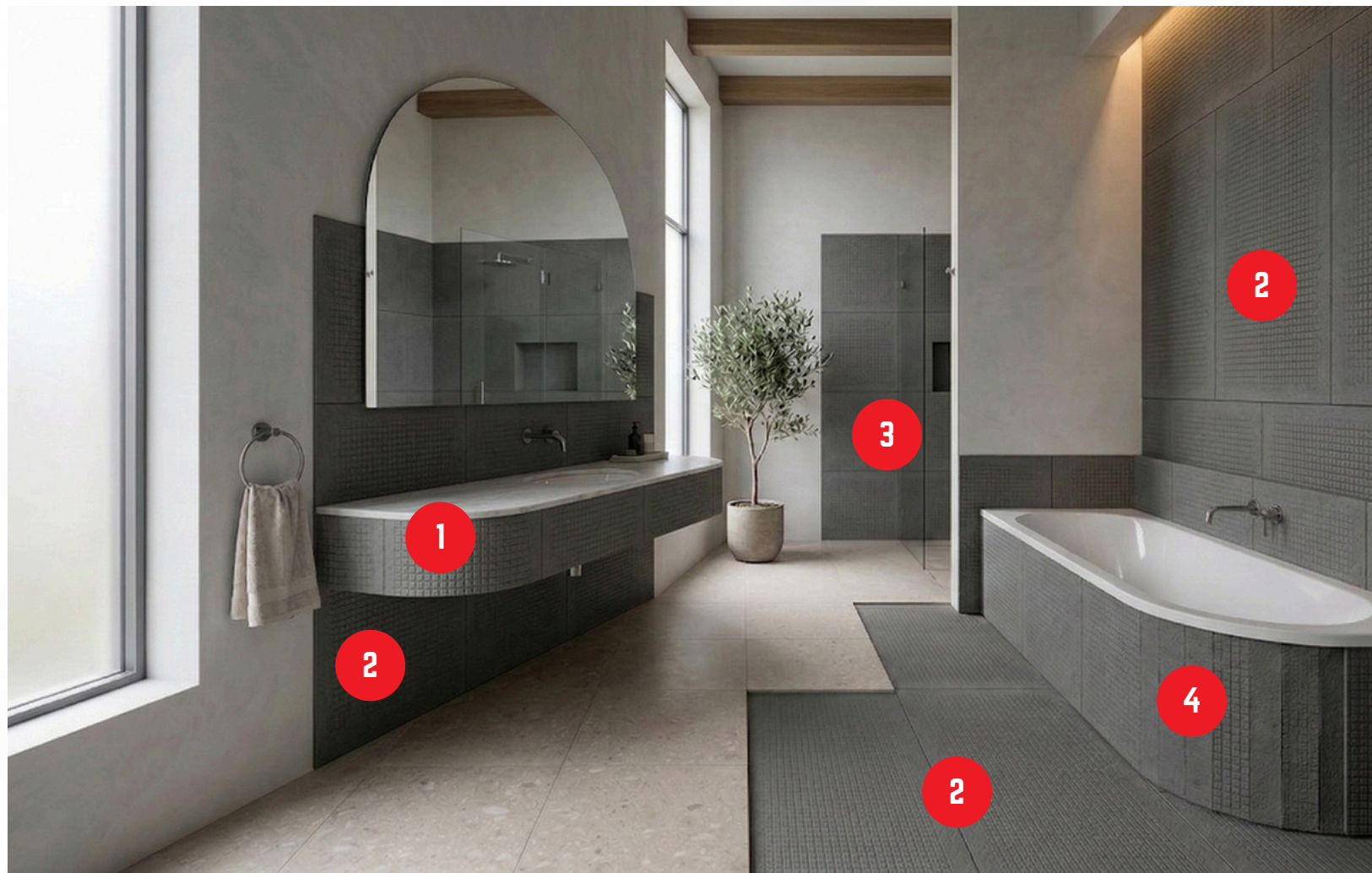
INSUTILE® Shower Board

4

INSUTILE® Bath Board

INSUTILE® Applications

Curves and Shapes



1

INSUTILE® Flex Board

2

INSUTILE® Build Board

3

INSUTILE® Shower Board

4

INSUTILE® Bath Board



INSUTILE®

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