

## PRODESO<sup>®</sup> Membrane System

The flagship decoupling and waterproofing system — engineered beyond standard decoupling membranes.

Standard cavity decoupling membranes rely on plastic geometry and interlocking dovetails to compensate for the fact that tile adhesive does not bond to plastic. This increases adhesive consumption, requires multiple trowel passes, and leaves performance heavily dependent on cavity shape rather than true adhesion.

The PRODESO<sup>®</sup> Membrane System is fundamentally different. It is built using a 5-layer construction, with fleece layers on both faces bonded to a polyethylene and polypropylene core. This allows tile adhesive to bond directly to the membrane on both sides, removing the need to rely on mechanical dovetails for bond strength. Fewer adhesive passes are required, less adhesive is used, and installation is significantly faster. At the same time, the 5-layer structure manages vapour and moisture both above and below the membrane, allowing water to disperse and evaporate without degrading the adhesive bond. This creates a faster, more tolerant and more reliable installation - even on uncured, cracked or moisture-affected substrates.



**The result?** Stronger bonding, faster installation, and superior moisture management compared to conventional cavity matting.



### 5-Layer Bonding Technology

A multi-layer construction with fleece on both faces allows true adhesive bonding to the membrane, rather than relying on plastic geometry for mechanical lock.



### Advanced Vapour & Water Management

The 5-layer structure allows moisture to disperse through the fleece from both above and below the membrane, supporting evaporation without compromising adhesive performance.



### No Reliance on Dovetail Cavities

Unlike standard cavity membranes, bond strength does not depend on interlocking dovetails, reducing sensitivity to adhesive coverage and application technique.



### Performance on Damp or Uncured Substrates

Unlike cavity membranes where water can remain trapped beneath the tile, PRODESO<sup>®</sup> allows vapour pressure and moisture to dissipate safely, improving reliability over problematic substrates.



### Reduced Adhesive Usage

Direct fleece bonding means fewer trowel passes are required and overall adhesive consumption is reduced compared to traditional cavity matting.



### Separation & Waterproofing in One System

Combines uncoupling, waterproofing and vapour control in a single engineered membrane for demanding indoor and outdoor applications.



### Faster, More Efficient Installation

The membrane and tiled finish can be installed in a continuous workflow, significantly reducing on-site time and programme length.

## Why PRODESO<sup>®</sup> is the upgrade

PRODESO<sup>®</sup> Membrane does not rely on plastic cavities to hold tiles in place. Its 5-layer bonding technology delivers true adhesion, faster installation, reduced adhesive usage and superior moisture management. This makes it the preferred solution where standard decoupling membranes are not enough - providing flexibility, protection and long-term reliability across the entire tiled installation.