

**Xentro®**

Unlimited  
space for  
innovative  
projects

FEEL  
GOOD  
INSIDE

**RECTICEL**  
insulation



**Xentro<sup>®</sup>**

## The technological breakthrough for rigid boards of the future

The development of Xentro<sup>®</sup> technology has led to unprecedented possibilities for your projects. This extremely advanced technology enables very high performing rigid insulation boards. Thanks to its thermal conductivity (lambda value) of 0.019 W/mK, you can insulate your cavity walls and floors 13%\* more efficiently with Xentro<sup>®</sup> technology!



lambda  
**19**

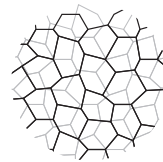
\* Compared to the standard thermal conductivity 0.022 W/mK

## Using the origins of polyurethane to develop the insulation of the future

Recticel Insulation always strives to improve the performance of its insulation solutions. For the latest breakthrough, our Sustainable Innovation Department (SID) and R&D engineers went back to the roots of rigid PU foam and applied their knowledge, experience and pioneering enthusiasm to create a ground-breaking redefinition of the PU cell nucleus.

Their many years of research using the most advanced technologies have resulted in a scientific breakthrough we call: Xentro®. Rigid foam boards developed using this Xentro® technology, provide increased thermal resistance values for cavity wall and floor applications.

By optimising the microcell structure and geometry of the foam, they created more stable intercellular junctions. More simply: a tight-knit structure that delivers outstanding thermal performance. A thermal conductivity of just 0.019 W/mK.



Unique cell structure of Xentro® technology \*

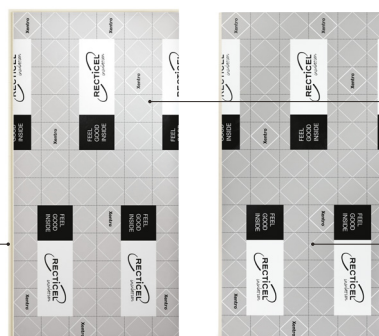
## Reliability above all else

Like all Recticel Insulation products, insulation boards with Xentro® technology are tested extensively in all possible conditions within their application. Insulation boards with Xentro® technology benefit from CE-marking and are manufactured in the same ISO 9001:2015 and ISO 14001:2015 accredited production environment.

## Specially developed facing for Xentro®

Innovative, water resistant, gas tight multi-layer complex of kraft paper and aluminium foil.

An intuitive tongue-and-groove system for cavity wall applications delivers higher levels of insulation, minimises thermal bridges and increases airtightness.



Asymmetric facings for cavity wall boards provide alkali resistance against mortar.

Specially developed flat board for floor applications with high compressive strength and a good dimensional stability.

\* indicative sketch

cavity wall insulation

floor insulation

Now create extra space  
in your future designs!

## **Eurowall® Xentro®**

Ultra-thin high-performance cavity wall insulation

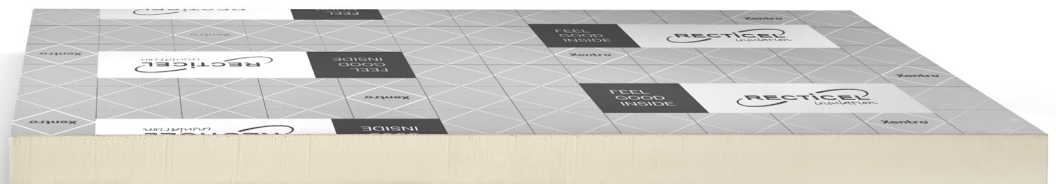
Eurowall® Xentro® insulation boards use a new generation of rigid foam to provide maximum insulation for cavity walls from a product of minimum thickness.



## **Eurofloor® Xentro®**

Ultra-thin high-performance floor insulation

The new Eurofloor Xentro® insulation boards enable you to insulate floors extremely well while keeping the insulation itself ultra-thin. These boards have a grid system that simplifies installation and can be positioned above or below a concrete floor slab.



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# 1. Freedom in design

Now you can design  
with total creative freedom

With their extremely high insulation values, rigid insulation boards with Xentro® technology give you the opportunity to install thinner layers of insulation and create extra living and working space in new-build and refurbishment projects.

Xentro® offers great added value, both aesthetically and creatively: now you can design lighter weight-bearing structures, narrower footings and foundations, and slimmer windowsills and doorframes. Create more light with bigger windows and refine your interior finish.

# 2. A strong, reliable solution

Innovative ideas  
to build on

The most innovative and prestigious projects deserve an advanced, reliable insulation solution. By opting for Xentro® you are making an excellent, future-proof choice.

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# 3. High energy efficiency

Design with  
guaranteed energy  
performance

Xentro® helps to achieve high energy efficiency standards beyond current local building regulations and is capable of supporting NZEB (nearly zero-energy buildings) and passive house buildings.





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