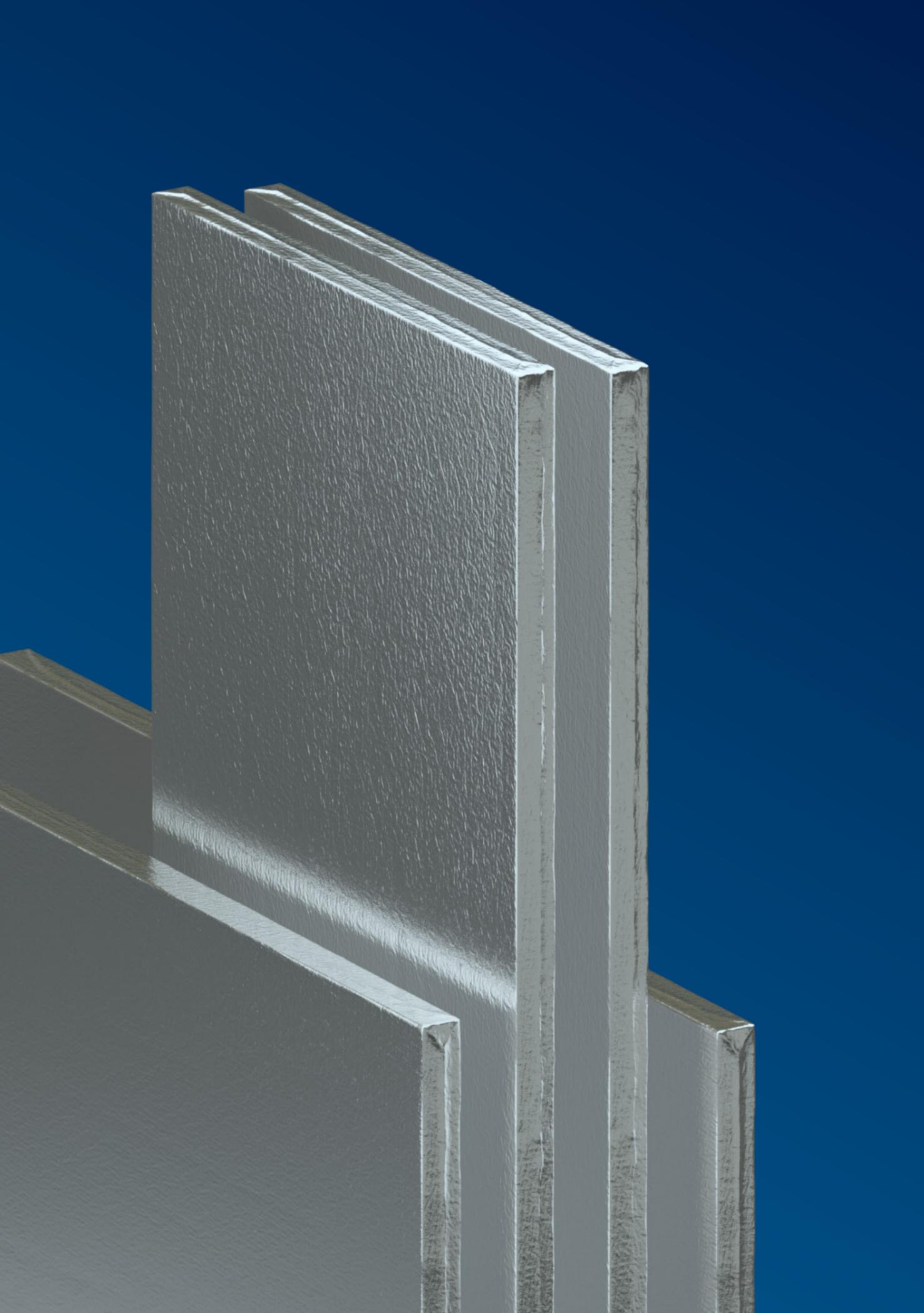


Promat

PROMAT ULTIMA[®] VIP

**Vacuum insulated panels
for building applications**

Thin, efficient and sustainable:
the insulation of the future



THE BENEFITS OF PROMAT ULTIMA® VIP VACUUM INSULATED PANELS

Versatile material for new builds and refurbishment projects

Promat ULTIMA® VIP is an innovative and versatile material that offers **new possibilities** when designing **new houses** or **renovating old ones**. Houses are getting smaller; insulation regulations are becoming stricter, and the awareness of environmental impacts and energy consumption is growing. As a result, more and more people are looking for a sustainable but at the same time **aesthetic and efficient** approach. That's why architects and installers can make the difference with Promat ULTIMA® VIP vacuum insulation.

Ultra-thin insulation for enhanced living comfort

Promat ULTIMA® VIP vacuum insulated panels **insulate 5 to 10 times better** than traditional insulation materials. Thanks to our unique manufacturing process, you have thinner insulation with better performance. There is **hardly any loss of living space** and the building still meets the **highest insulation and safety standards**.

Efficient and dust-free installation

Promat ULTIMA® VIP can be **installed quickly and efficiently**, so you can finish more projects in less time. In refurbishment projects, the inhabitants are hardly affected thanks to the **dust- and waste-free installation**. That's more comfortable for you as an installer as well. You can insulate the whole house, room after room, without any delays.

Easy to carry, transport and store

The Promat ULTIMA® VIP panels are so **thin and light** that they are very easy to transport, handle and store. They are available in a variety of sizes and packaging designed to enable a smooth installation. Thanks to the reduced thickness of vacuum insulation, you also **save on transport and storage costs**.

PROJECTS WITH PROMAT ULTIMA® VIP PANELS

Promat ULTIMA® VIP vacuum insulated panels are suitable for every insulation project: flat and slanted roofs, floors, terraces, facades and inner walls. A few of the possibilities are:

Insulation of a flat roof or terrace

Simplicity in design

A lot of heat is lost through flat roofs. By using Promat ULTIMA® VIP panels you can perfectly insulate a flat roof without having to redo or build up the parapet wall. When it comes down to a terrace, the thinner insulation layer enables you to have the same structural design for the floor level of your indoor living space and your terrace. This will avoid a step-up or blocking of your terrace doors and will simplify design, save cost and reduce jobsite errors.

Insulation of floors

Highest thermal effectiveness

A well-insulated tile or parquet floor creates a pleasant indoor climate that is easier to maintain. Because Promat ULTIMA® VIP guarantees the thinnest build-up of any insulation material available on the market, you can achieve maximum thermal effect without major interventions such as deep digging or additional constructions.

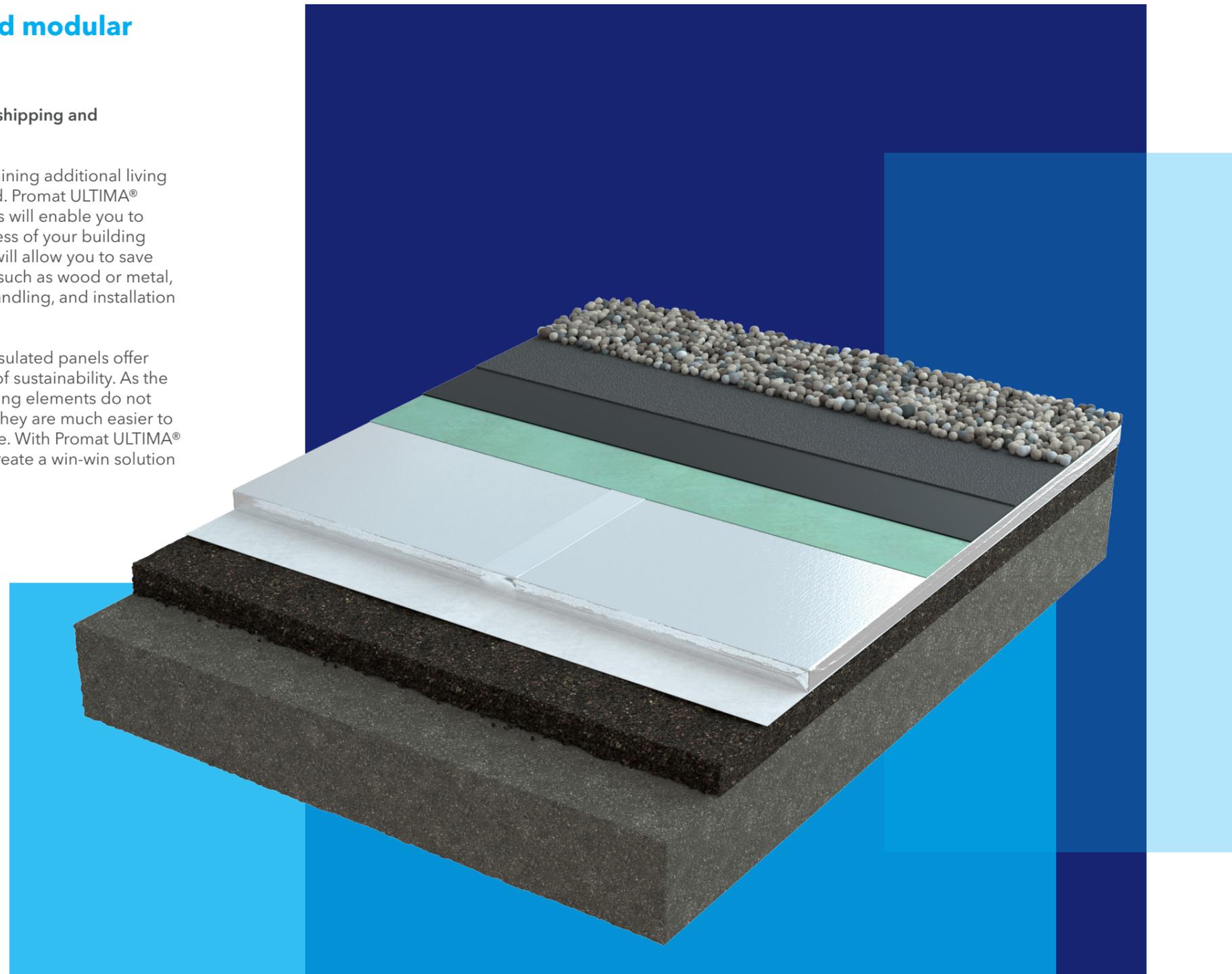
Moreover, the Promat ULTIMA® VIP panels increase the efficiency of underfloor heating: they lie underneath so that no heat is lost to the basement or the underground. The heat is evenly distributed in the living space.

Prefabricated and modular elements

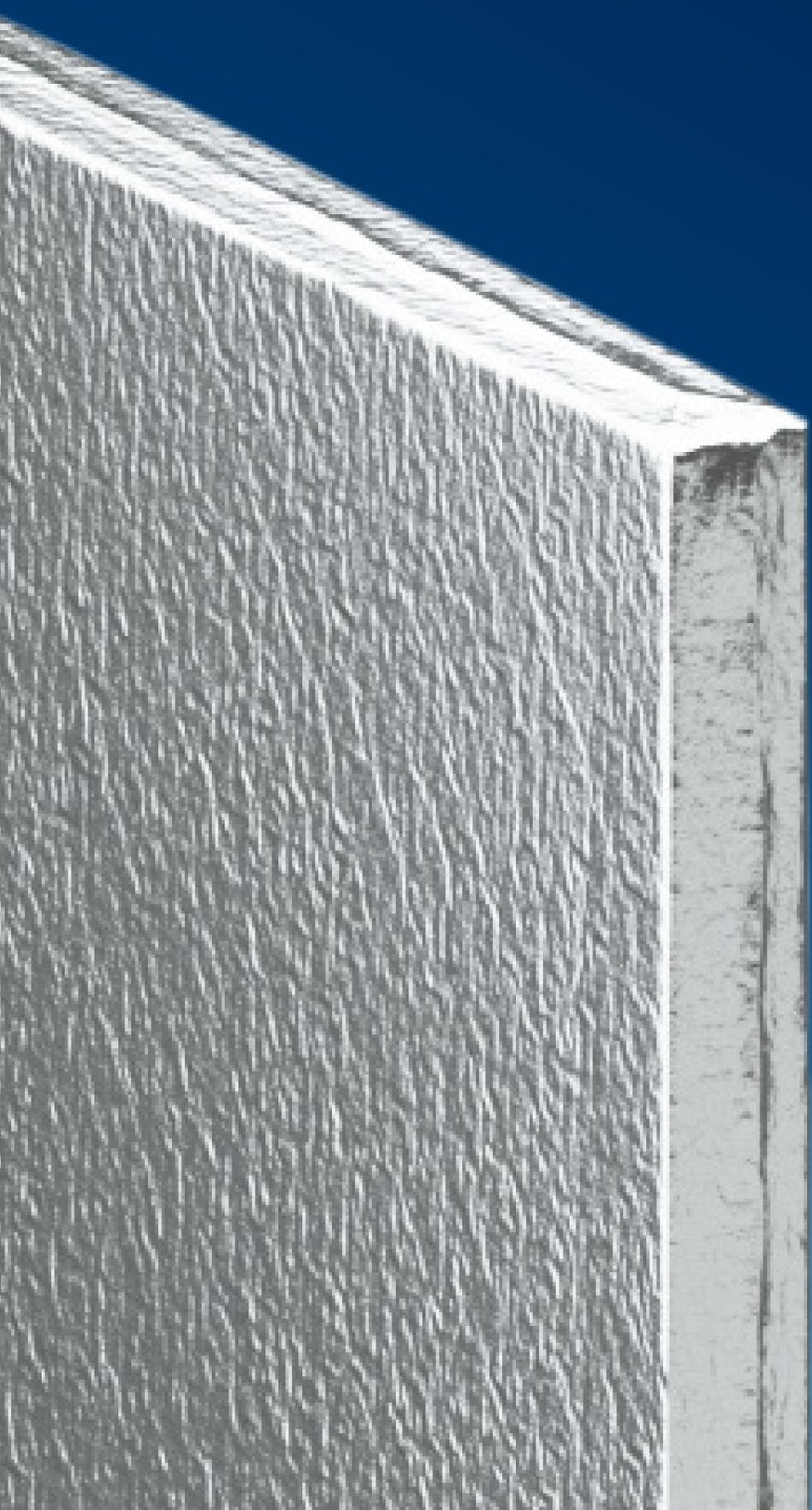
Gain living space, optimise shipping and installation cost

Impress your investors by gaining additional living space that can be monetised. Promat ULTIMA® VIP vacuum insulation panels will enable you to reduce the insulation thickness of your building elements dramatically. This will allow you to save on prefabrication materials, such as wood or metal, and to optimise shipping, handling, and installation costs.

In addition, these vacuum insulated panels offer some real benefits in terms of sustainability. As the different layers in your building elements do not need to be glued together, they are much easier to separate, replace and recycle. With Promat ULTIMA® VIP vacuum insulation you create a win-win solution for your customer.

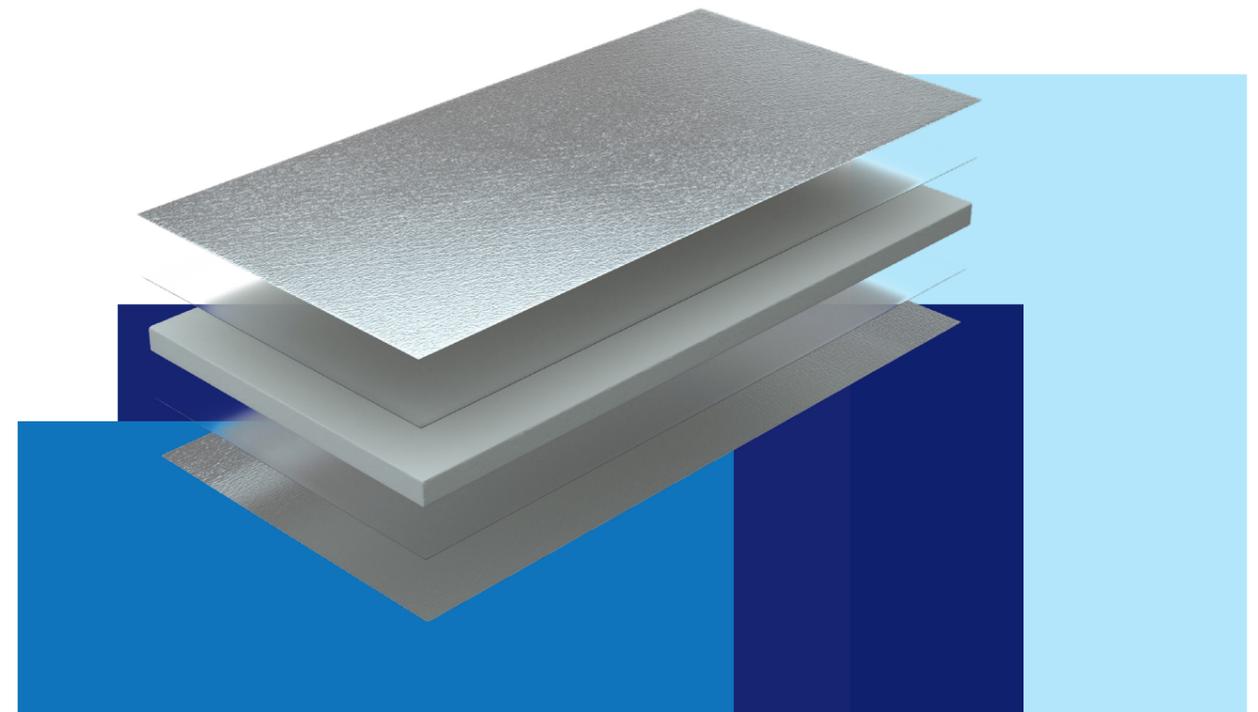


PROPERTIES OF PROMAT ULTIMA[®] VIP



- **Ultra-thin:**
10 to 50 mm, available in different sizes
- **Very low thermal conductivity:**
 λ -value: 4.20 mW/m.K (in the centre of the panel)
Declared λ -value: 5.87 mW/m.K (ETA 13/1026 according to EAD 040011-00-1201)
- **High thermal resistance:**
R value: 3.40 m²K/W for thickness of 20 mm
6.81 m²K/W for thickness of 20 mm
- **Heat resistant**
up to 80°C
- Core material is non-combustible and recyclable
- Contains no harmful substances or fibres
- Microporous core covered with a vapour-tight foil

Promat has been a pioneer in the field of vacuum insulation panels since the early 2000s. We have built an extended expertise in the possibilities of Promat ULTIMA[®] VIP and are continuously looking for new fields of application and ways to enhance its performance.



Promat

Contact our experts today

We're looking forward
to advising you on
your project

www.promat.com/industry

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