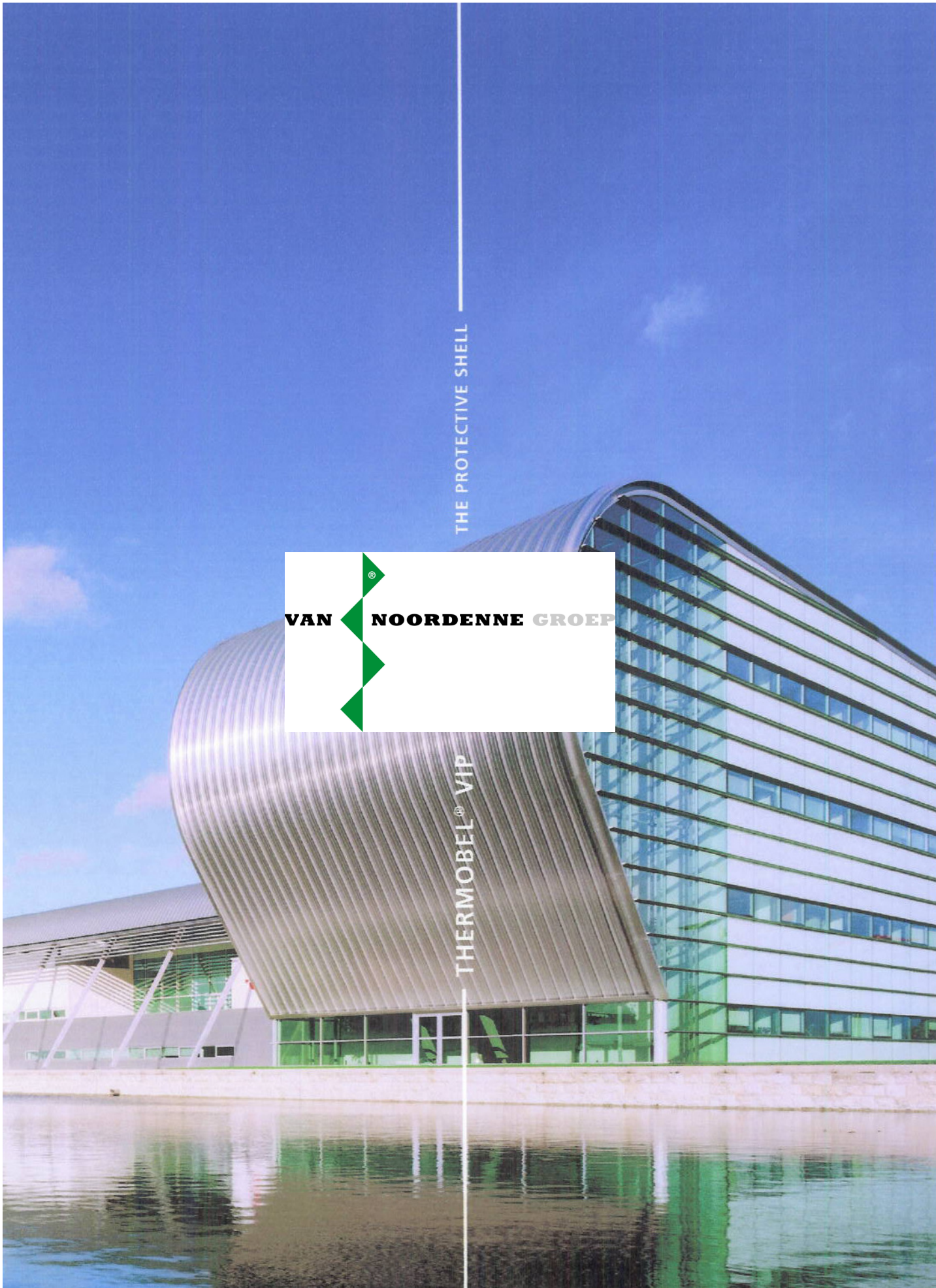


THE PROTECTIVE SHELL



VAN NOORDENNE GROEP

THERMOBEL® VIP



THERMOBEL® VIP

The surpassing step in façade insulation

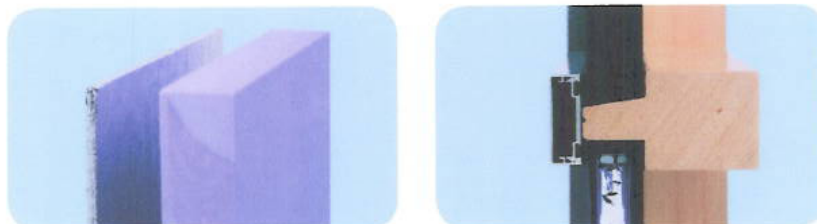
The advantages of glass. Whether you are an architect, façade builder, project developer or manager of a housing cooperative you will be aware of the advantages of glass. Glass is attractive, taut and modern, while being particularly durable and low-maintenance. AGC now also offers something extra. Thermobel® VIP (Vacuum Insulation Panels) enables you to achieve optimal insulation of your fully glass façade using customary frame systems, at which a semi-structural design is also possible.

Attractive, efficient and effective. Thermobel® VIP is produced according to the double glazing principle. The outer pane can consist of enamelled glass with a choice from a wide range of colours. Vacuum elements are applied in the cavity in this double glazing to guarantee optimal thermal and noise insulation. You choose the interior finish as an enamelled pane or hardened or unhardened glass in combination with enamelled sheet plating or other sheet material as desired. This can be supplied heat-soaked in line with regulations, laws or a particular application.


SAVE ON CONSTRUCTION COSTS ... AND BE GENTLE ON THE ENVIRONMENT

Practically fully recyclable. The extremely slender construction of Thermobel® VIP allows fast and efficient incorporation in current façade systems for insulating glazing. Fitting can take place at the same time as the insulating glazing so the construction process is not impeded. And should the product be removed after a long life Thermobel® VIP is just about fully recyclable. So good news for the environment too.

A larger usable floor surface. The requirements in the Dutch building decree with regard to the energy efficiency of new buildings are becoming increasingly strict, so traditional insulation materials for façades must be constantly thicker. Thermobel® VIP offers the answer to this problem. The panels are markedly thinner, and ensure a considerably larger usable floor surface.



Thermobel® VIP is markedly thinner than traditional insulating material (photo 1) and can be perfectly combined with Thermobel® TRI (triple glazing (photo 2)).



Opens the way to
simpler, more intelligent
and more modern façade
constructions

Increases the useable
floor surface



THERMOBEL® VIP

Available in numerous
contemporary colours



Everything under a single roof

The simultaneous delivery of vision glazing and Thermobel® VIP on the building site or to your warehouse is good news for your wallet and the environment!

Specifications

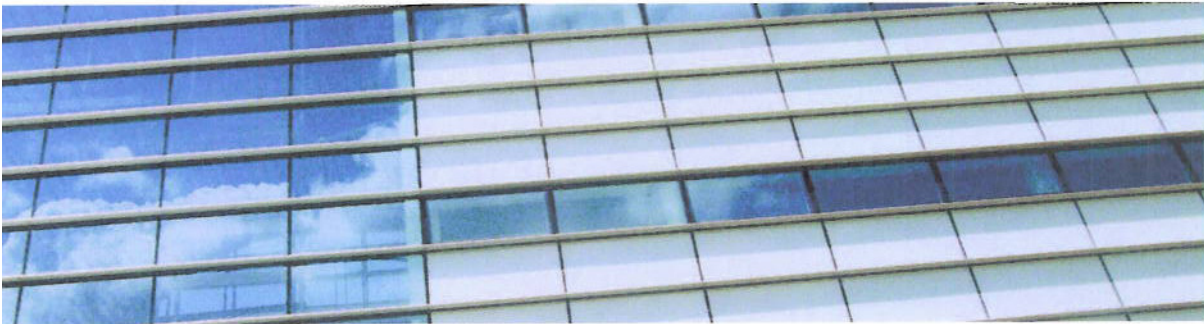
- Coefficient of heat conduction = 0.005 W/mK
- Dimensions: 1500 x 2600 mm (larger formats on request)
- External appearance: available in numerous colours, from harmonic to accentuating
- Internal appearance: colour and material as chosen.

Certification

For CE marking for insulating glazing, Thermobel® VIP is covered by standard EN 1279-5.

Guarantee

VA guarantee period of 10 years applies for Thermobel® VIP double glazing. For the isolator the guarantee conditions of the manufacturer are applicable.



Energy characteristics according to EN 674					Heat loss (W/(m ² .K))
Composition					Ug-waarde
1. Glass	2. Cavity width	3. VIP fitting	4. Glass		
6 mm	22 mm	20 mm	4 mm	0.3	
6 mm	16 mm	14 mm	4 mm	0.4	

Airborne sound insulation ISO 140-3-1995 and ISO 717-1						Noise level
Composition						Rw (C, Ctr)
1. Glass	2. Cavity width	3. VIP fitting	4. Glass	5. Steel		
6 mm	22 mm	20 mm	6 mm	-	35 (-1; -3) dB	
6 mm	22 mm	20 mm	4 mm	0.75 mm	38 (-2; -5) dB	
6 mm	22 mm	20 mm	6 mm	2.00 mm	42 (-2; -5) dB	

CE mark applications
For CE marking for insulating glazing, Thermobel® VIP is covered by standard EN 1279-5

Voor meer informatie:

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