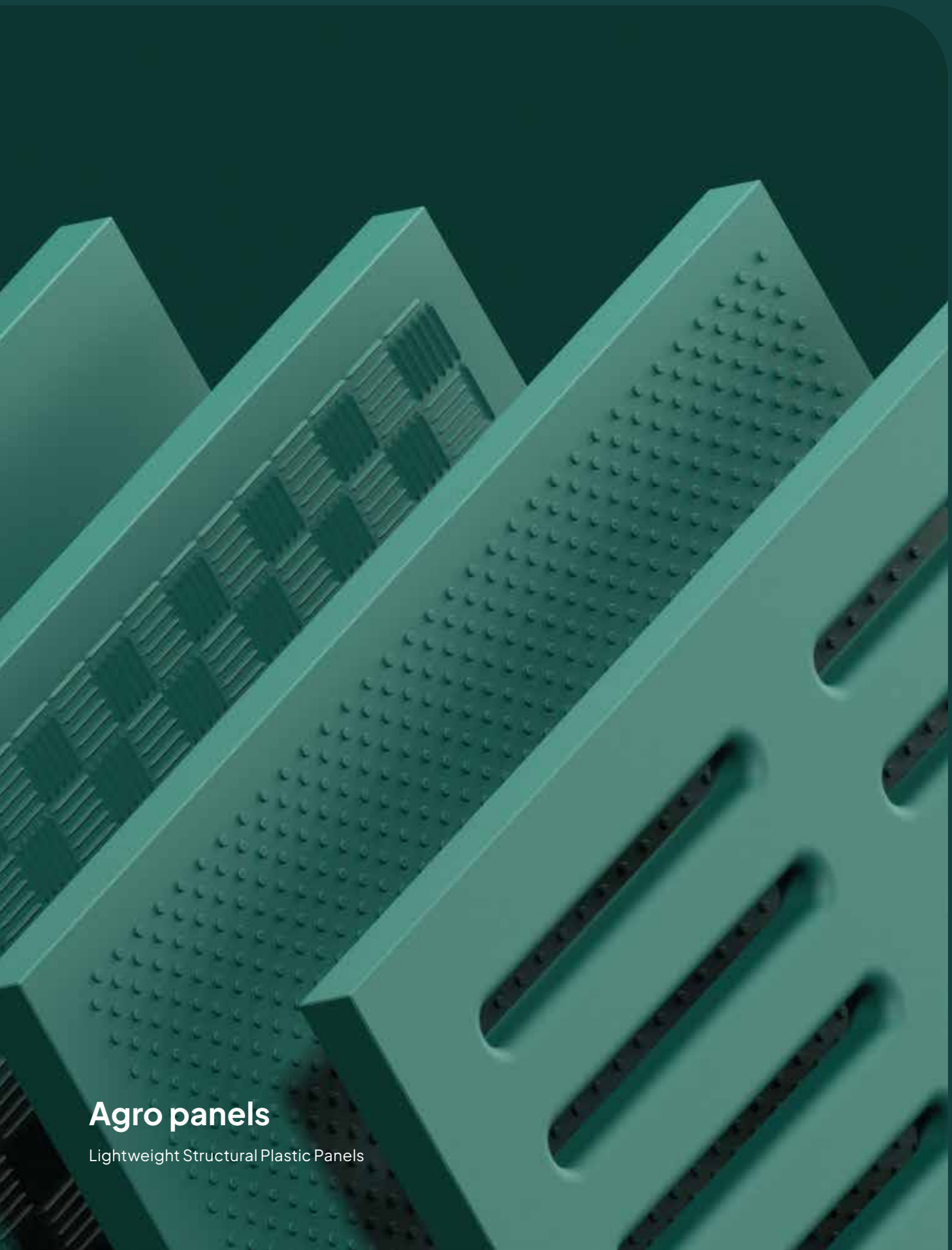
Paneltim®

We empower creators
to **build what lasts**



Agro panels

Lightweight Structural Plastic Panels

EN

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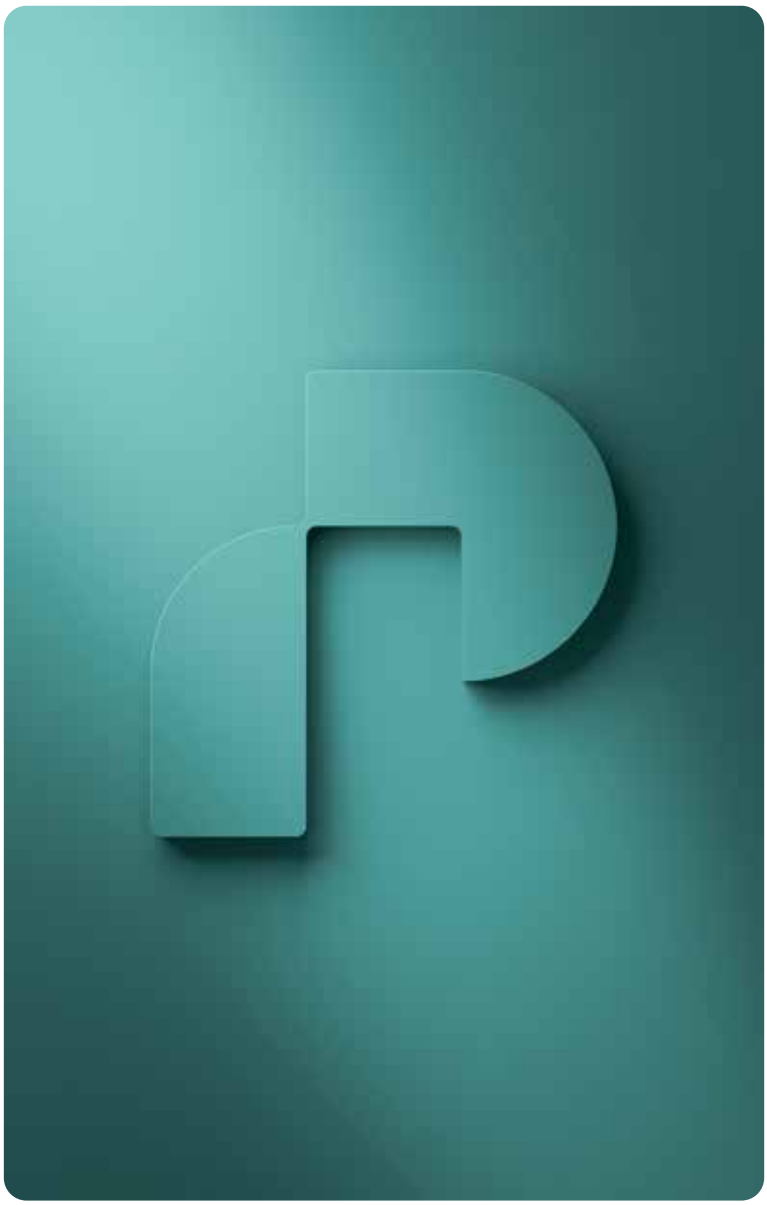
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We empower creators to **build what lasts**

Paneltim®





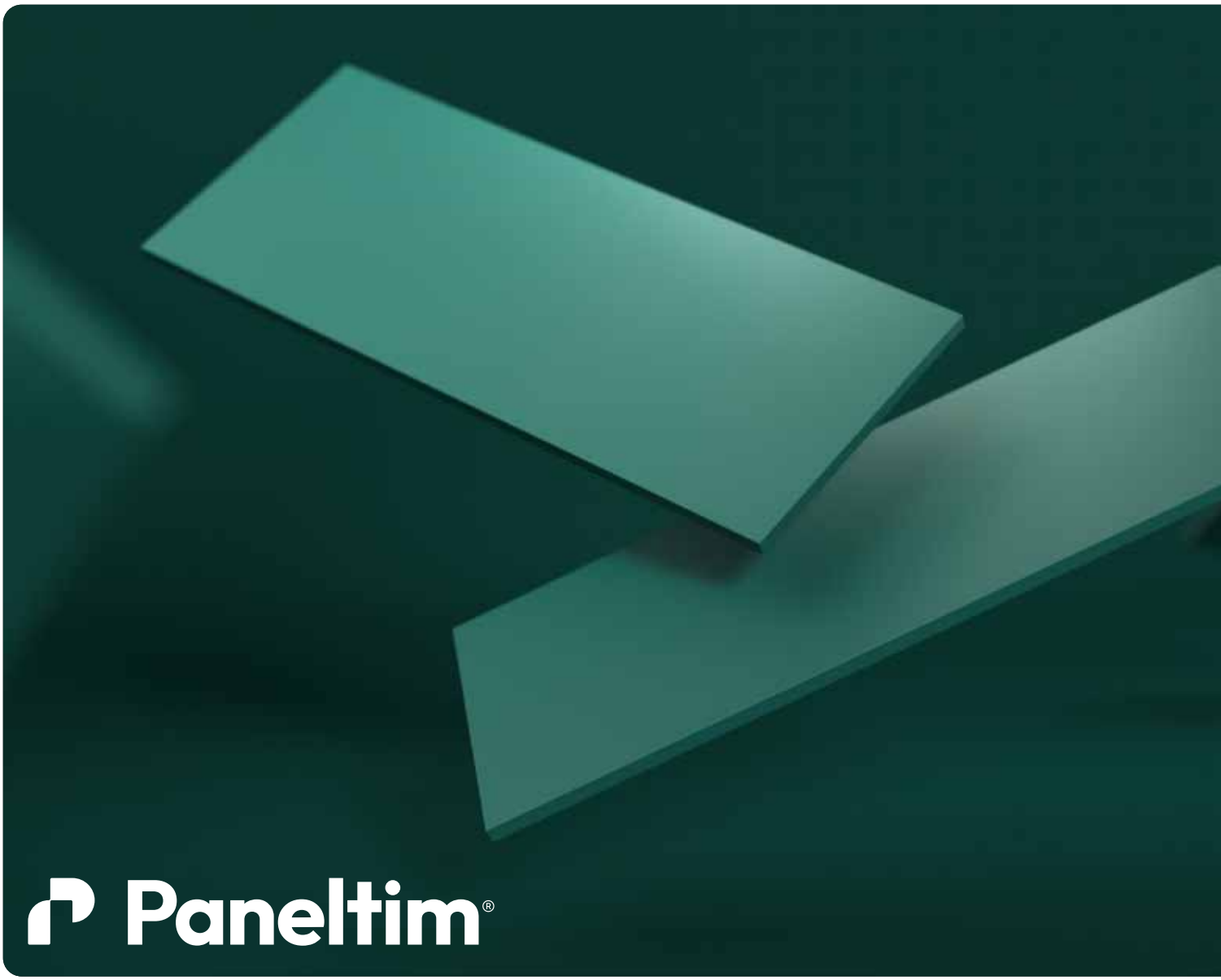
People
Pleasure
Planet
Progress
Panels

We, at Paneltim, have been pioneers in reinventing plastic panels for more than 30 years. With passion and craftmanship, our dedicated team works together with the market to develop smarter, stronger and more sustainable products. However, our story goes beyond innovation alone.

We strongly believe in the power of co-creation. Our panels form the foundations with which creators, designers and engineers bring their ideas to life. They build, change and innovate. Every project, big or small, offers the opportunity to discover new possibilities and raise the bar even higher.

Progress is not just about today, but especially about tomorrow. We develop products that evolve with the market and the planet. Our panels are sustainable, versatile and designed for reuse.

It is in our nature to push the boundaries of the possibilities of plastic panels. This way, we build towards a smarter, more sustainable world. One panel at a time.



We empower creators to **build what lasts.**

Paneltim strives to offer innovative plastic panels, that push boundaries. We aim to contribute to a healthier world by sustainably using plastic materials. Through constant innovation, we guarantee the relevance of our products, not only now, but also in the future.





People
Pleasure
Planet
Progress
Panels

Urge to innovate

With 28 years of experience, we combine in-depth expertise with a constant focus on innovation. Our plastic panels are technically strong, meet the high-quality standards and offer a multi-purpose product that respond to the specific needs/demands of our clients. Our panels offer a sustainable and efficient alternative to conventional materials.

Sustainability and co-creation

As sustainable pioneers, we work closely together with our clients and actively listen to their wishes. Together we co-create both efficient and sustainable solutions. We repurpose our old and used products through our buy-back program. This way, we support the circular economy. Together with our clients, we work towards a future, in which we maximally recycle the existing plastic on the market and in doing so, offer sustainable solutions.

Accessible and open

As a family SME , we operate with an accessible and open mentality. We are proud of our craftmanship and proudly share our knowledge with our network. Our personal and trustworthy approach contributes to our transparent and consistent way of handling matters. This way, we enable our clients to always count on us with confidence and peace of mind.



Building what lasts, not what pollutes

Sustainability has been a fundamental pillar of Paneltim's company philosophy since the very first day of production and continues to be deeply embedded in everything we do today. From the outset, we have been driven by the ambition to provide innovative and smart plastic panels that not only push the boundaries of product performance, but also contribute meaningfully to a healthier planet through the sustainable use of plastics. This commitment reflects our belief that progress is not only about today but also about building a better tomorrow for future generations.





Planet
People
Pleasure
Progress
Panels

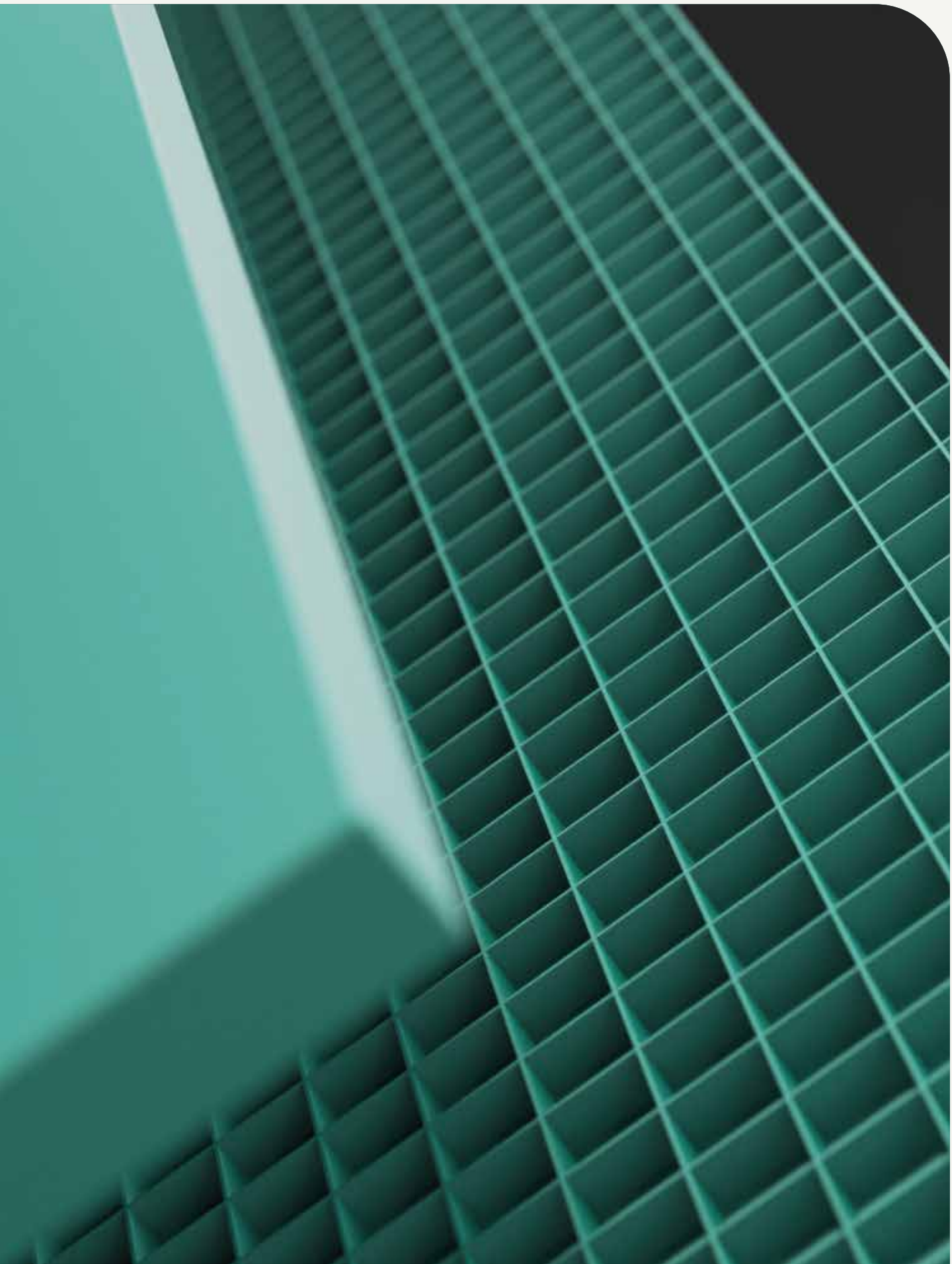
One of the key aspects of our sustainability efforts is that 50% of the panels we produce are made entirely from recycled materials. This includes both post-industry and post-consumer recycled plastics, carefully processed and quality-controlled to meet our high standards of strength, lightness, and hygiene. Additionally, our panels are designed as single-material products (either polypropylene or polyethylene) to enable easy recycling at the end of their life cycle, thus preserving raw material value and supporting a circular economy.

Our production facilities have also undergone continuous improvements to minimize waste, maximize waste collection, and enhance the reuse of leftover materials. This zero-waste approach is a core part of our manufacturing ethos, ensuring that materials are reused either internally or through external recycling partners, thus significantly reducing our environmental footprint. Moreover, we actively engage in yearly sustainability initiatives aligned with the United Nations Sustainable Development Goals (SDGs), reaffirming our global commitment to sustainable development and responsible business practices.

Together with our customers, we co-create efficient and sustainable solutions, taking back products at the end of their life for repurposing and reintegration into the production cycle. This collaborative spirit underpins our efforts to push the boundaries of what plastic panels can achieve, making sustainability not just a goal but a natural part of our innovation and craftsmanship.

In summary, sustainability is not an afterthought but a core, inherent value at Paneltim, guiding product design, material selection, and production processes. From recycled content and waste minimization to global sustainability initiatives and circular economy principles, we continuously innovate to build smarter, stronger, and greener panels for a more sustainable world—one panel at a time

Paneltim® Multipower



Robust Applications

Paneltim® Multipower panels are designed for superior strength and rigidity, thanks to their advanced internal cell structure. This unique composition ensures excellent bending resistance in all directions, making them exceptionally durable and reliable in demanding applications.

Engineered for performance, these panels provide high-strength yet lightweight solution, allowing for greater efficiency in construction and industrial projects. Their structural integrity ensures long-lasting stability, making Paneltim® Multipower the ideal choice for applications where strength is a critical requirement.



Less material loss

On the 2,600 x 1,000 mm Paneltim® panels, the first cell along the outer edge is precisely designed at 25 mm in width. This smart engineering minimizes material loss during the butt welding process, reducing waste by 2%. By optimizing the panel's structure, we ensure not only efficient material use but also a more sustainable and cost-effective solution for various applications.



Why choose the Paneltim® Multipower panel:

- Lightweight yet highly rigid
- Equal strength in both length and width
- Easily weldable to any size
- Ideal for use in confined spaces
- Resistant to corrosion and wear
- Short welding cycles for greater efficiency
- 100% recyclable
- Proven long-term performance for prime panels

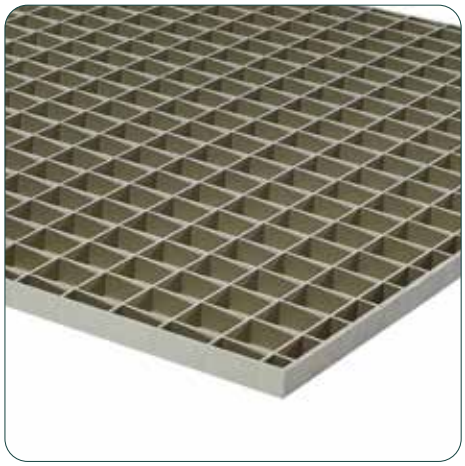
A closer look at the Multipower panel

Paneltim® Multipower panels combine lightweight construction with exceptional strength and rigidity. Their advanced design ensures minimal deflection under load, making them a reliable and durable choice for demanding applications.

Surface	Material	Thickness (mm)	Cells (mm)	Dimensions (mm x mm)	Wall thickness (mm)	Weight (kg/m²)
2 smooth sides	PP	50	50 x 50	2 600 x 1 000	4,50	12,80
				1 200 x 1 000	3,30	11,50
	PE			2 600 x 1 000	4,50	13,80

Other colors & small PE panels also available on request with a minimum order quantity.

Cells



Cells of 50 mm x 50 mm

Colors

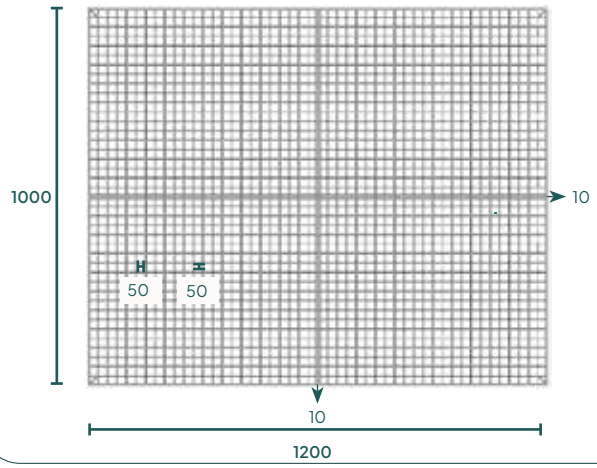
Material		PE	PP		
Colors		Prime	Prime	NTP	Recy
	White UV RAL 9010	●	●		
	Beige UV RAL 7032		●		
	Grey UV RAL 7037		●		
	Grey RAL 7001			●	
	Black	●			

Scan the code and find out more about the Multipower panel!

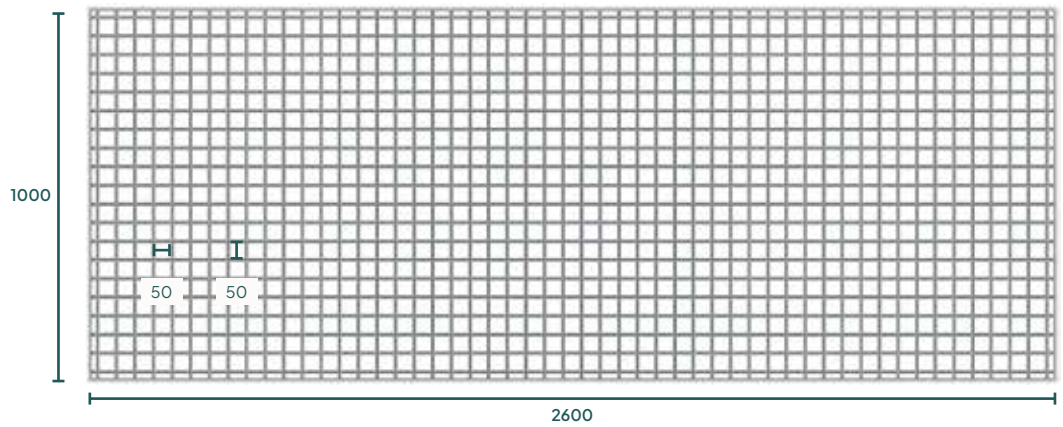
The above colors are indicative only and do not represent true colors. With recycled panels, variation in colors and color tones is possible. You will find the lead time and minimum order quantities in the price list. Not every color is available in every size. The panels are available in other colors on request. Contact us for more information.

At the core of the Paneltim® Multipower panel*:

1200 x 1000

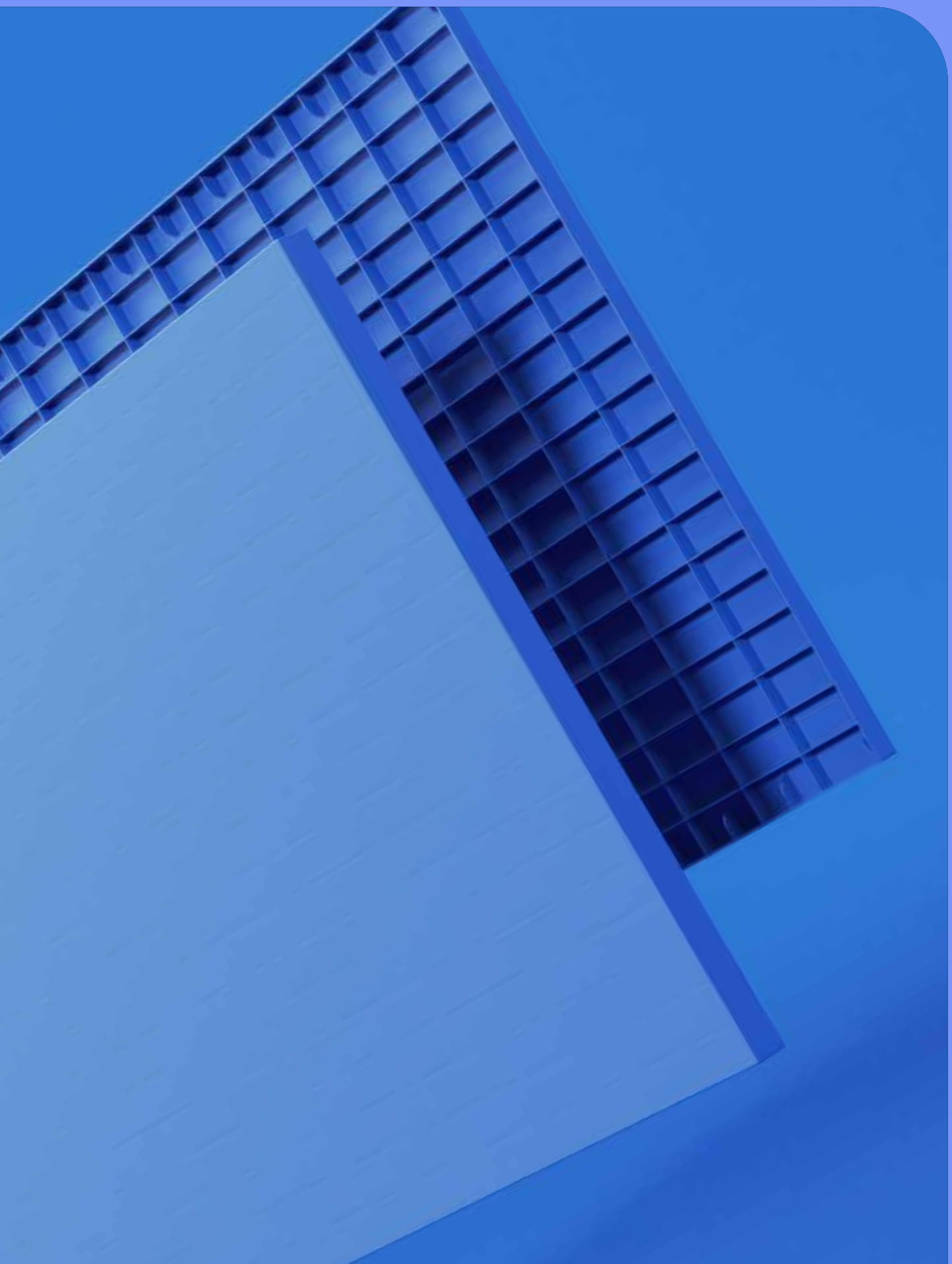


2600 x 1000



*All sizes are given in mm.

Paneltim® Lightweight



Flexible sizing

Paneltim® Lightweight panels measuring 1,200 mm x 800 mm and 1,200 mm x 1,000 mm always have a double rib (cross) in the centre. They are therefore easily turned into panels with heights of 50 cm or 60 cm.



Cabins and trailers

Paneltim® panels in polypropylene copolymer (PP copo) or polyethylene (PE) are lighter and stronger than most other construction panels out of plastic. This makes Paneltim® panels an excellent choice for construction of trailers, beach cabins, etc. The Paneltim® Antislip panels are an ideal addition to your cabin or trailer, as they considerably improve antiskid properties in both dry and wet conditions.



Reasons for choosing the Paneltim® Lightweight panel:

- Lightweight
- Different thicknesses
- Long lifespan
- Time savings due to short welding cycle
- Corrosion resistant
- 100% recyclable

The Lightweight panel in detail

Paneltim® Lightweight panels are light, strong and rigid with good resistance to deflection under load.

Surface	Material	Thickness (mm)	Cells (mm)	Dimensions (mm x mm)	Wall Thickness (mm)	Weight (kg/m²)
2 smooth sides	PP	20	100 x 50	1 200 x 1 000	3,5	7,70
				1 200 x 800		
		50		2 600 x 1 000		9,90
				1 200 x 1 000		
				1 200 x 800		
	PE			2 600 x 1 000		10,5

Other colors & small PE panels also available on request with a minimum order quantity.

Cells



Cells of 100 mm x 50 mm

Colors

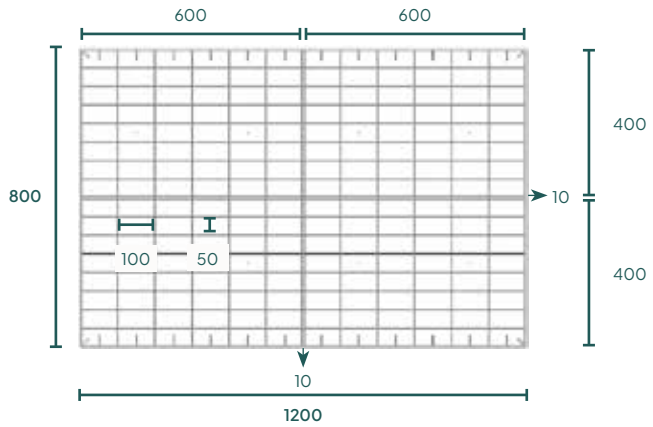
Material		PE	PP		
Colors		Prime	Prime	NTP	Recy
	Green				●
	Green UV RAL 6001			●	
	Grey				●
	Grey UV RAL 7001			●	
	Grey UV RAL 7037		●		
	White UV RAL 9010	●	●		
	White				●
	Beige UV RAL 7032		●		
	Black	●			●
	Blue UV RAL 5002			●	

The above colors are indicative only and do not represent true colors. With recycled panels, variation in colors and color tones is possible. You will find the lead time and minimum order quantities in the price list. Not every color is available in every size. The panels are available in other colors on request. Contact us for more information.

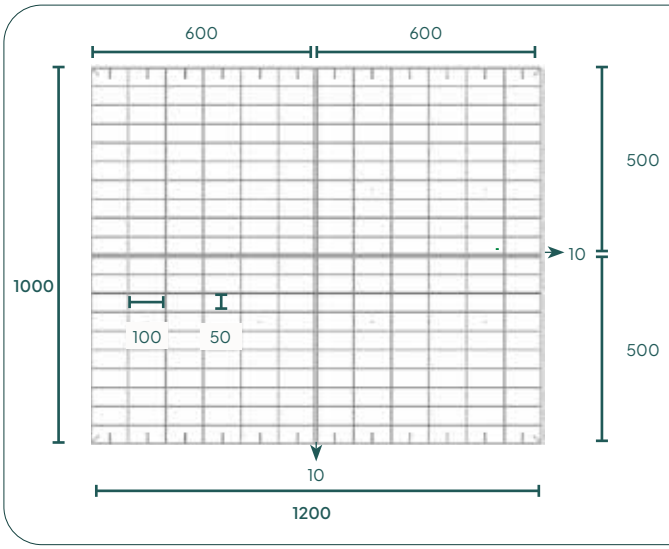
Scan the code and find out more about the Lightweight panel!

At the core of the Paneltim® Lightweight panel*:

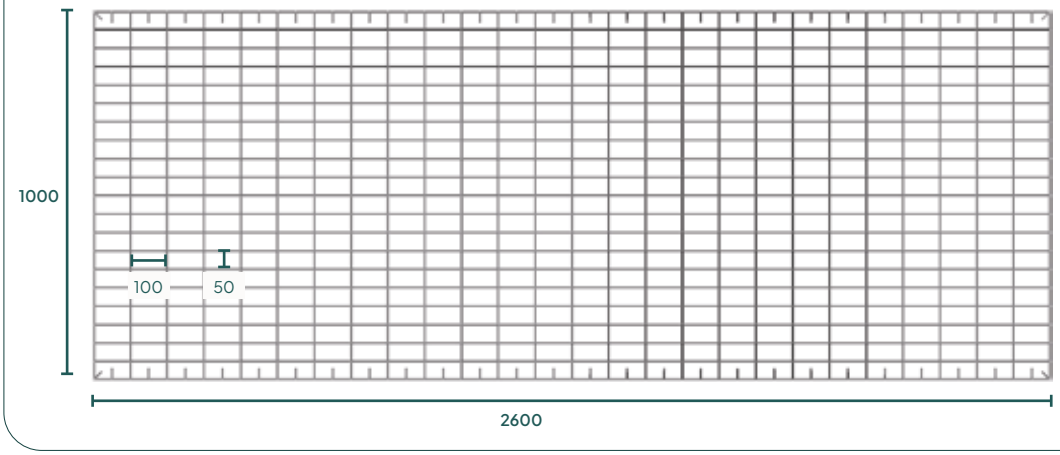
1200 x 800



1200 x 1000



2600 x 1000



*All sizes are given in mm.

Paneltim® EPP



Improved thermal insulation

Our new EPP (Expanded Polypropylene filled) panels deliver improved thermal efficiency without sacrificing practicality. Crafted for technical applications that demand better insulation, they retain the ease of processing found in our Lightweight panels while offering 4 times higher thermal insulation. Ideal for air handling systems, heat exchangers, and diverse enclosures, EPP panels provide a sustainable, seamless fit with your current production methods—helping you meet thermal performance goals with confidence.



100% recyclable

Made entirely from polypropylene—including both the panel and insulation cushions—our EPP panels are 100% recyclable at the end of their life and are accepted in our Buy Back Program. Unlike traditional alternatives filled with PUR or other non-recyclable materials, they align perfectly with your sustainability goals and help drive circular economy initiatives.



Why choose the Paneltim® EPP panel:

- Lightweight
- Thermal insulations
- 100% recyclable
- Butt-weldable
- As easily processed as our other panels
- Corrosion resistant

The EPP panel in detail

Our new Paneltim® EPP panels deliver enhanced thermal efficiency and higher insulation while keeping the same practical processing as our Lightweight panels,

Surface	Material	Thickness (mm)	Cells (mm)	Dimensions (mm x mm)	Wall Thickness (mm)	Weight (kg/m²)
2 smooth sides	PP	50	100 x 50	2600X1000	3,5	10,75

Other colors & small PE panels also available on request with a minimum order quantity.

Cells



Cells of 100 mm x 50 mm

Colors

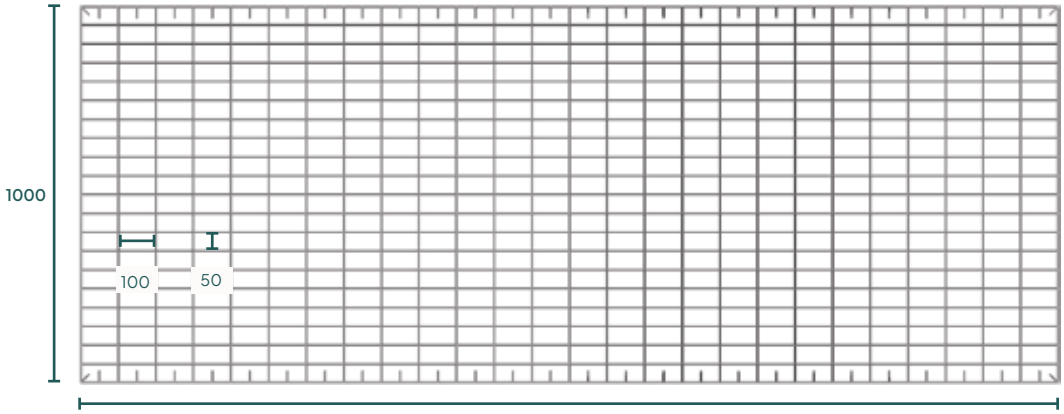
Material		PE	PP		
Colors		Prime	Prime	NTP	Recy
	Grey RAL 7001			●	
	White UV RAL 9010		●		
	Beige UV RAL 7032		●		

Scan the code and find out more about the EPP panel!

The above colors are indicative only and do not represent true colors. With recycled panels, variation in colors and color tones is possible. You will find the lead time and minimum order quantities in the price list. Not every color is available in every size. The panels are available in other colors on request. Contact us for more information.

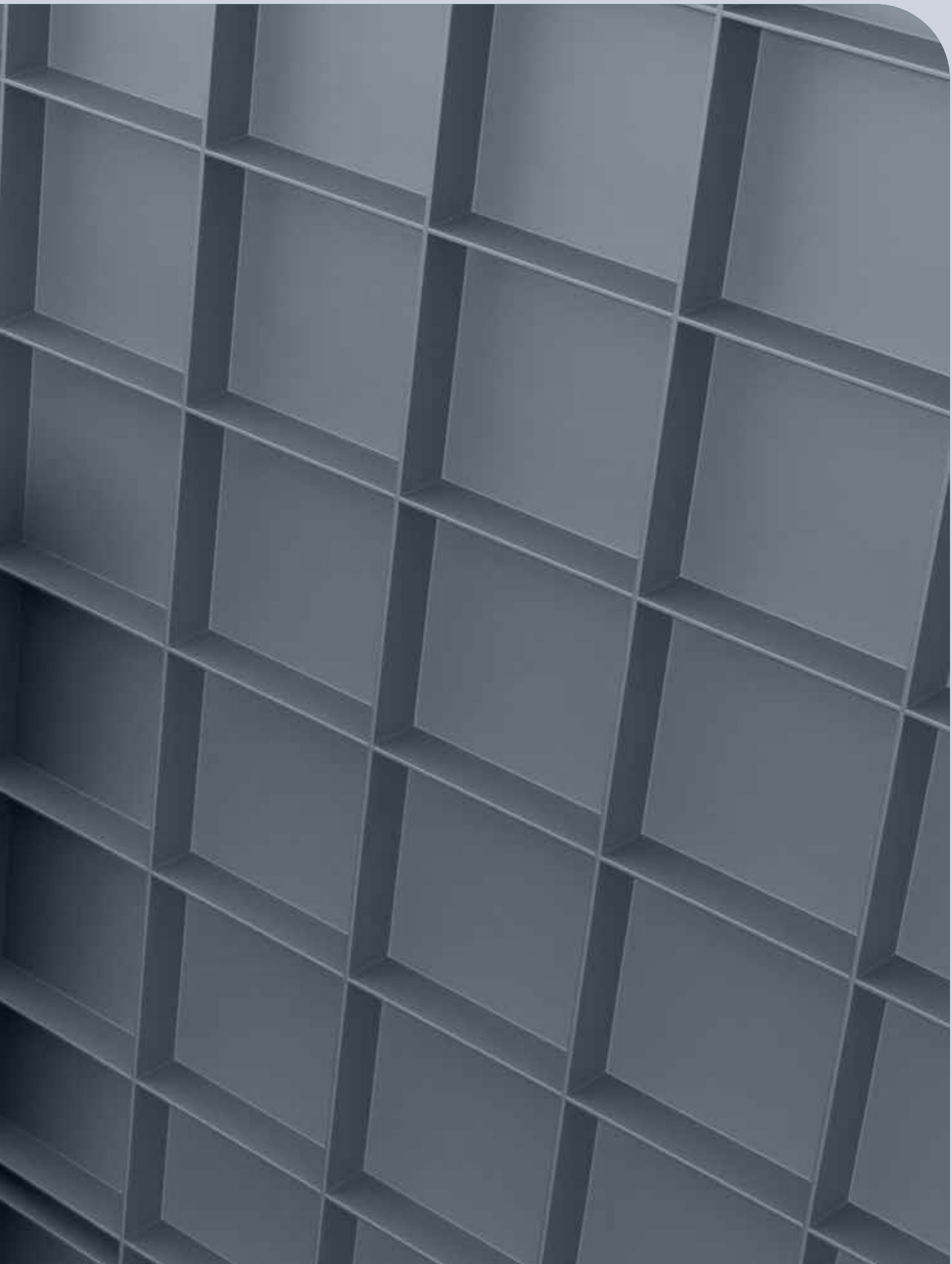
At the core of the Paneltim® EPP panel*:

2600 x 1000



*All sizes are given in mm.

Paneltim® Ultralight



Flexible dimensions

Paneltim® Ultralight panels have three double ribs in the width and one in the length. This makes it easy to cut the panels to standard sizes while keeping the edges closed. Panels of 40 cm, 50 cm and 60 cm high are produced quickly and without loss of material.



Simple processing

Paneltim® Ultralight panels are easily processed with standard hand tools such as a saw, a drill, screws, and by milling and welding. The panels can be welded to various dimensions using three welding methods: hot air welding, extrusion welding, and butt welding. Due to the panels' light weight, large dimensions created in this way are surprisingly easy to handle.



Why choose the Paneltim® Ultralight panel:

- Lightweight
- Flexible dimensions
- Less material loss due to double ribs
- Time savings due to short welding cycle
- Corrosion resistant
- 100% recyclable

The Ultralight panel in detail

Paneltim® Ultralight panels are the lightest in the range thanks to their internal cell structure of 100 mm x 100 mm. Yet they remain strong enough for a wide variety of applications.

Surface	Material	Thickness (mm)	Cells (mm)	Dimensions (mm x mm)	Wall Thickness (mm)	Weight (kg/m²)
2 smooth sides	PP	35	100 x 100	1 200 x 800	3,5	8,20
				1 200 x 1 000		

Other colors & small PE panels also available on request with a minimum order quantity.

Cells



Cells of 100 mm x 100 mm

Colors

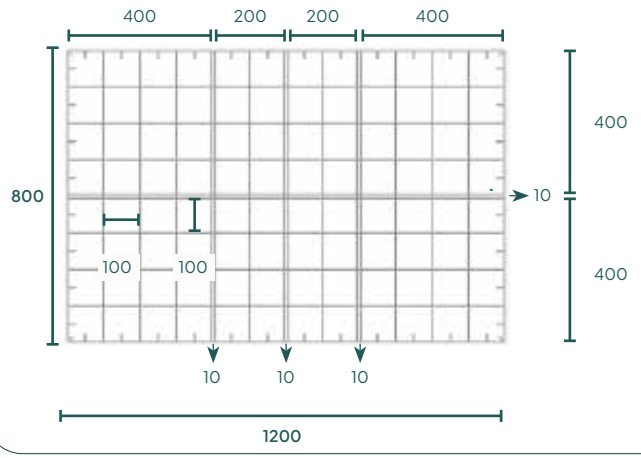
Material		PE	PP		
Colors		Prime	Prime	NTP	Recy
	Green				●
	Green UV RAL 6001			●	
	Grey				●
	Grey UV RAL 7001			●	
	Grey UV RAL 7037				
	White UV RAL 9010			●	
	White				●
	Beige UV RAL 7032		●		
	Black				●

Scan the code and find out more about the Ultralight panel!

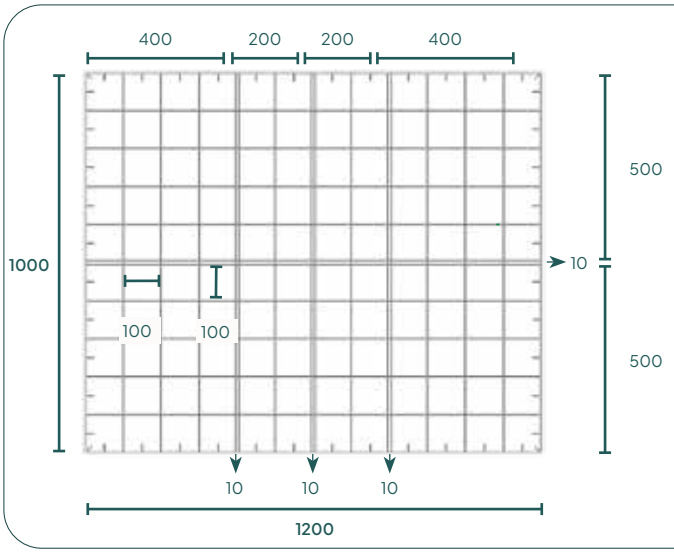
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At the core of the Paneltim® Ultralight panel*:

1200 x 800

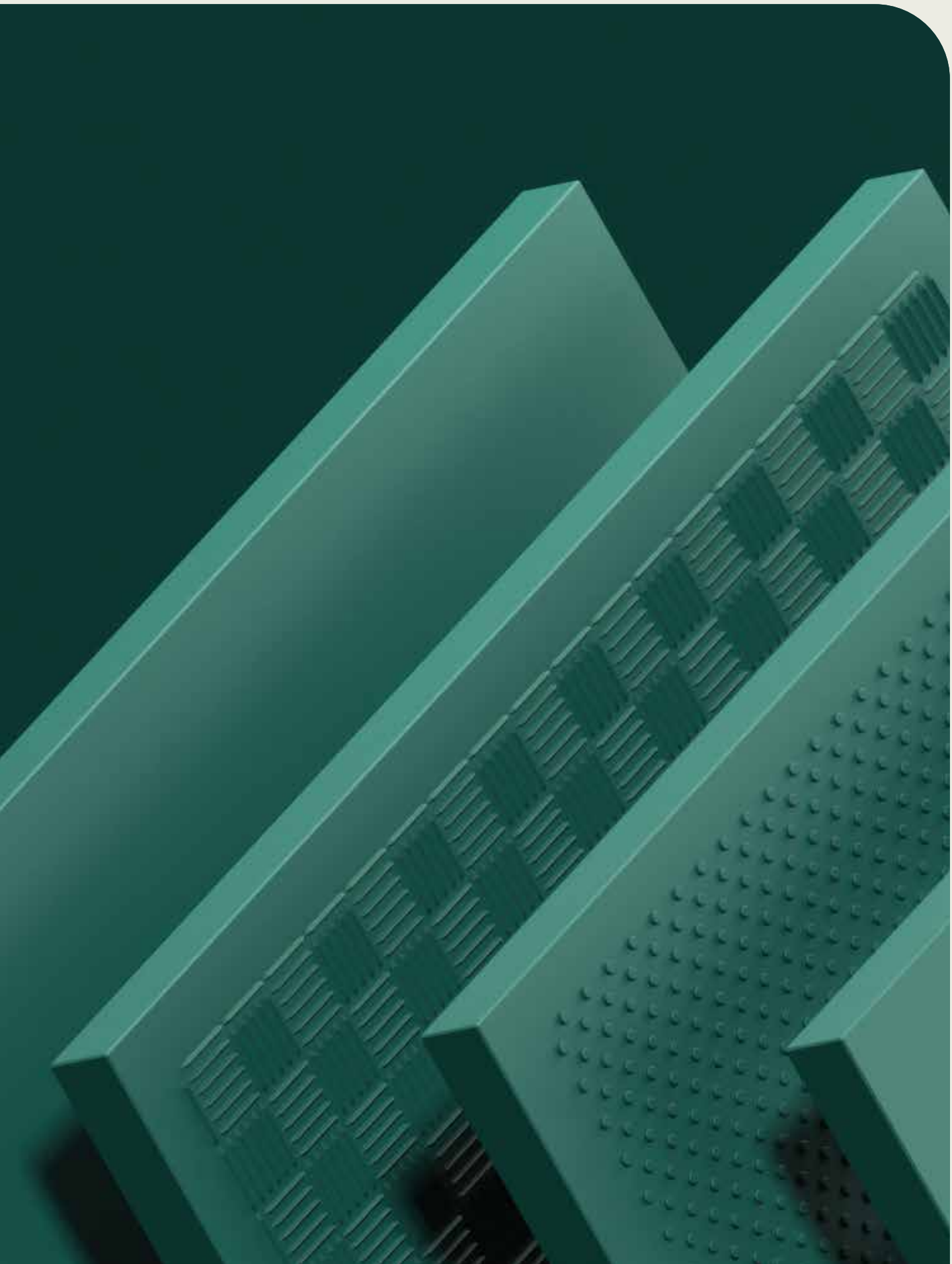


1200 x 1000



*All sizes are given in mm.

Paneltim® Antislip



Slip and resistance

Slips and falls are the most common causes of accidents in and around the workplace. Tests* show that the 3 Paneltim® Antislip panels have a high slip resistance in both wet and dry conditions. Whereas the studded and 5 bar panels score well when used in areas where shoes are worn (R10 according to DIN 51130 standard), the orange peel surface scores well for both walkability with shoes and with bare feet (R10 according to DIN 51130 standard and B according to DIN 51097 standard).

Paneltim Antislip	Standard		Class
Studs	DIN 51130		R10
5 bar	DIN 51130		R10
Orange Peel	DIN 51130		R10
	DIN 51097		B

Application areas

Paneltim® Antislip panels provide an effective antiskid solution. You can use them for platforms in sheds, aisles or stairs, sanitary rooms, toilets and trailer floors.



Reasons for choosing the Paneltim® Antislip panel:

- Slip resistance (even with wet surface)
- Easy to process
- Easy to clean
- Wear-resistant
- Corrosion resistant
- No water absorption
- 100% recyclable
- Double rib for flexible dimensions

**Tests conducted only on PP material.*

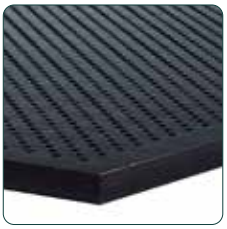
The Antislip panel in detail

Paneltim® Anti-Slip panels withstand heavy loads and are suitable for slip-resistant floors in various applications. They feature chequer plate, flat stud, or orange peel structures.

Surface	Material	Thickness (mm)	Cells (mm)	Dimensions (mm x mm)	Wall Thickness (mm)	Weight (kg/m²)
1 smooth 1 five bar	PP	50	50 x 50	1 200 x 1 000	3,3	12,10
1 smooth 1 studs	PP					11,80
2 orange peel sides	PP					11,30

Other colors & small PE panels also available on request with a minimum order quantity.

Variations



Studs



5 bar



Orange peel

Colors

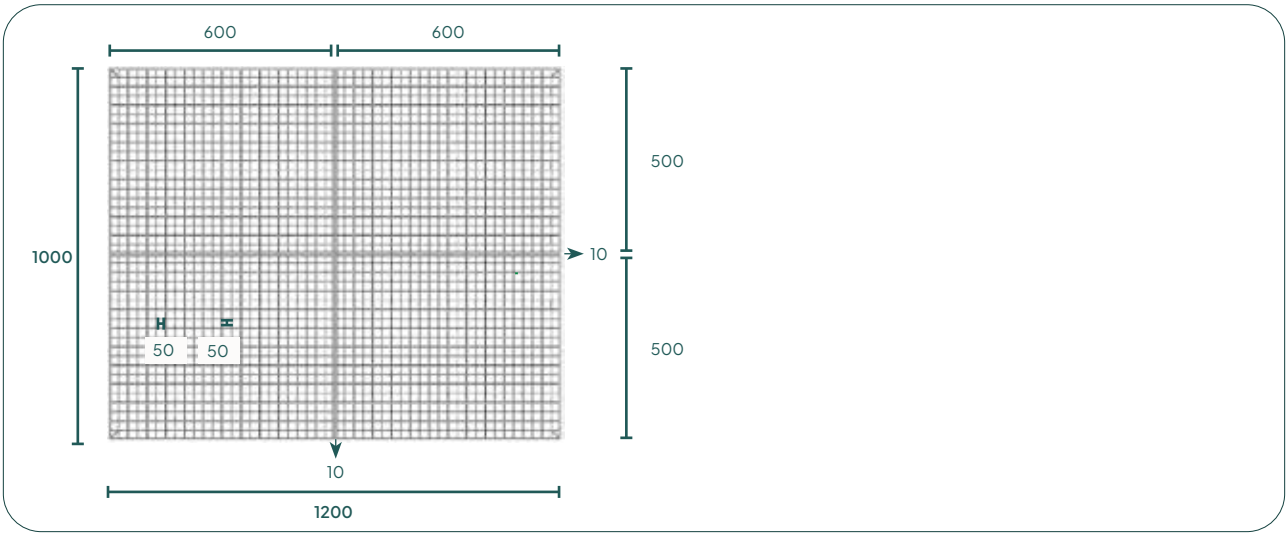
Material		PE	PP		
Colors		Prime	Prime	NTP	Recy
	Grey				●
	White UV RAL 9010				
	Beige UV RAL 7032		●		
	Black				●

Scan the code and find out more about the Antislip panel!

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At the core of the Paneltim® Antislip panel*:

1200 x 1000



*All sizes are given in mm.

Paneltim® Venti®



Smart solutions through combining

When one part of the pen partition must be closed and another requires venti slits, combining 35 mm Paneltim® Venti® panels with 35 mm Paneltim® Ultralight panels offers a solution for smaller animals. For large animals, combine 50 mm Paneltim® Venti® with 50 mm Paneltim® Lightweight to build structures with even more possibilities and options. Lengths of up to 6 m are possible



Customization

Venti® panels can be cut to size with variable heights using hot plate welding. The number of slots can also be limited or a combination panel can be made that consists partly of closed panels and partly of Venti® panels. This gives you a quick and easy solution for managing the excretory behavior of animals.



Why choose the paneltim® Venti panel:

- Better air circulation
- Reduces stress through visual contact
- Managing excretory behavior
- Optimal hygiene
- Light but strong
- Simple processing
- Quick assembly
- 100% recyclable

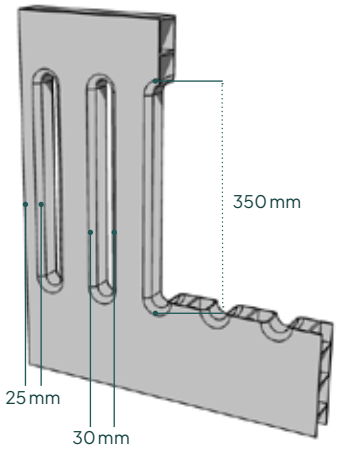
The Venti® panel in detail

Paneltim® Venti® panels have vertical openings, making them extremely suitable for promoting airflow.

Surface	Edges	Material	Thickness (mm)	Cells (mm)	Dimensions (mm x mm)	Openings	Wall Thickness (")	Weight (kg/m²)
Venti® 35	4 closed smooth edges	PP	35	100 x 50	1,200 x 1,000 1,200 x 800	1 row: 350 mm x 30 mm every 100 mm	3.5	7.80
Venti® 50			50	100 x 100	1,200 x 1,000	1 row: 350 mm x 30 mm every 100 mm		9.40
Double Venti®				100 x 50		2 rows: 350 mm x 30 mm every 100 mm		11.30

Other colors & small PE panels also available on request with a minimum order quantity.

Openings



Colors

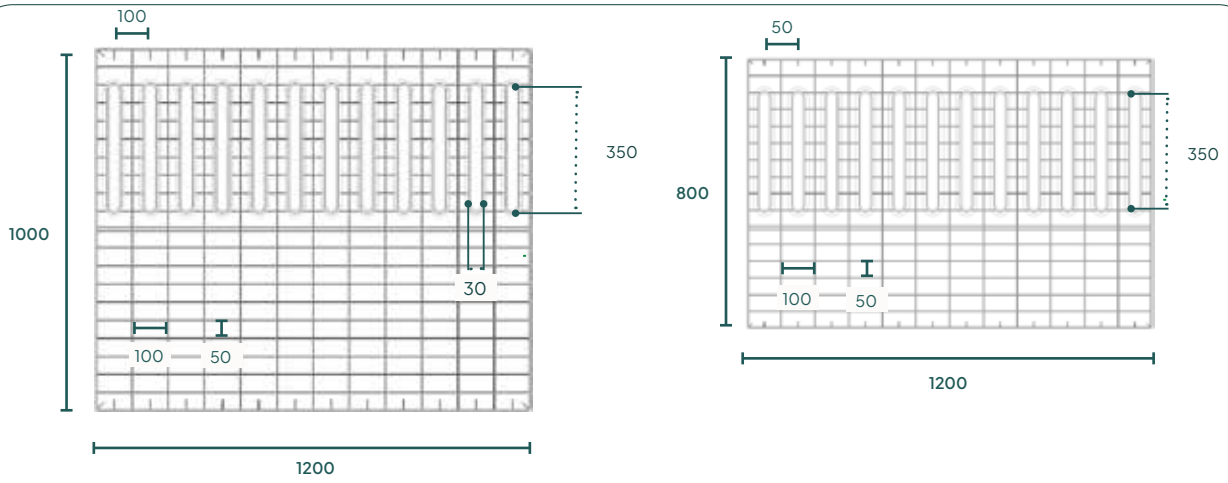
Colors	Venti®50		Vent®35		Double Venti®		
	NTP	PC-Recy	NTP	PC-Recy	NTP	PC-Recy	CL-Recy
Green		●		●			●
Green UV RAL 6001	●		●				
Grey		●		●		●	
White UV RAL 9010	●		●				
Black		●		●			●
Orange							●

Scan the code and find out more about the Venti panel!

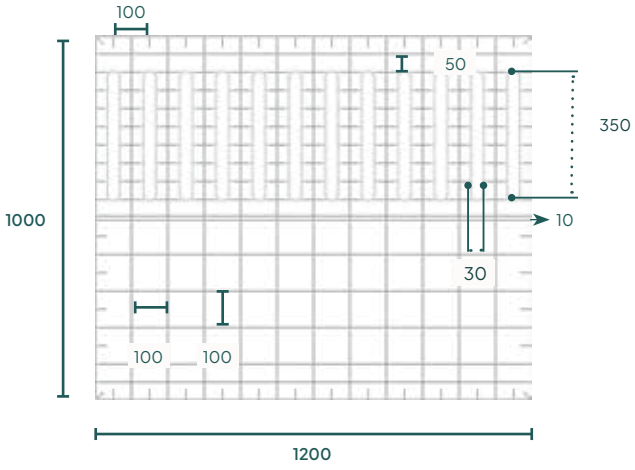
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CL-Recy = Closed Loop Recycling sourced materials
PC-Recy = Post Constumer Recycling sourced materials

At the core of the Paneltim® Venti® panel*:

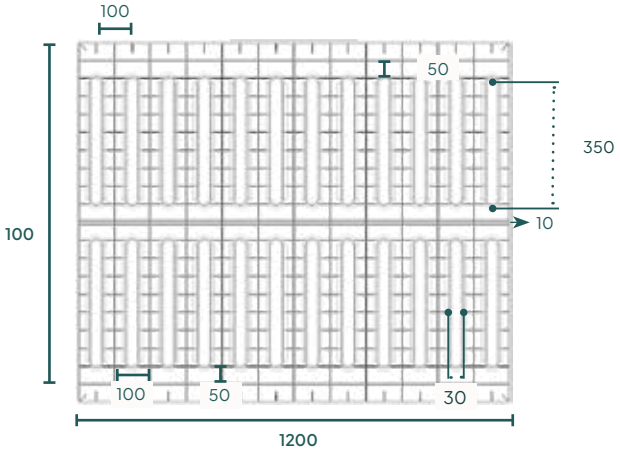
Venti® 35



Venti® 50

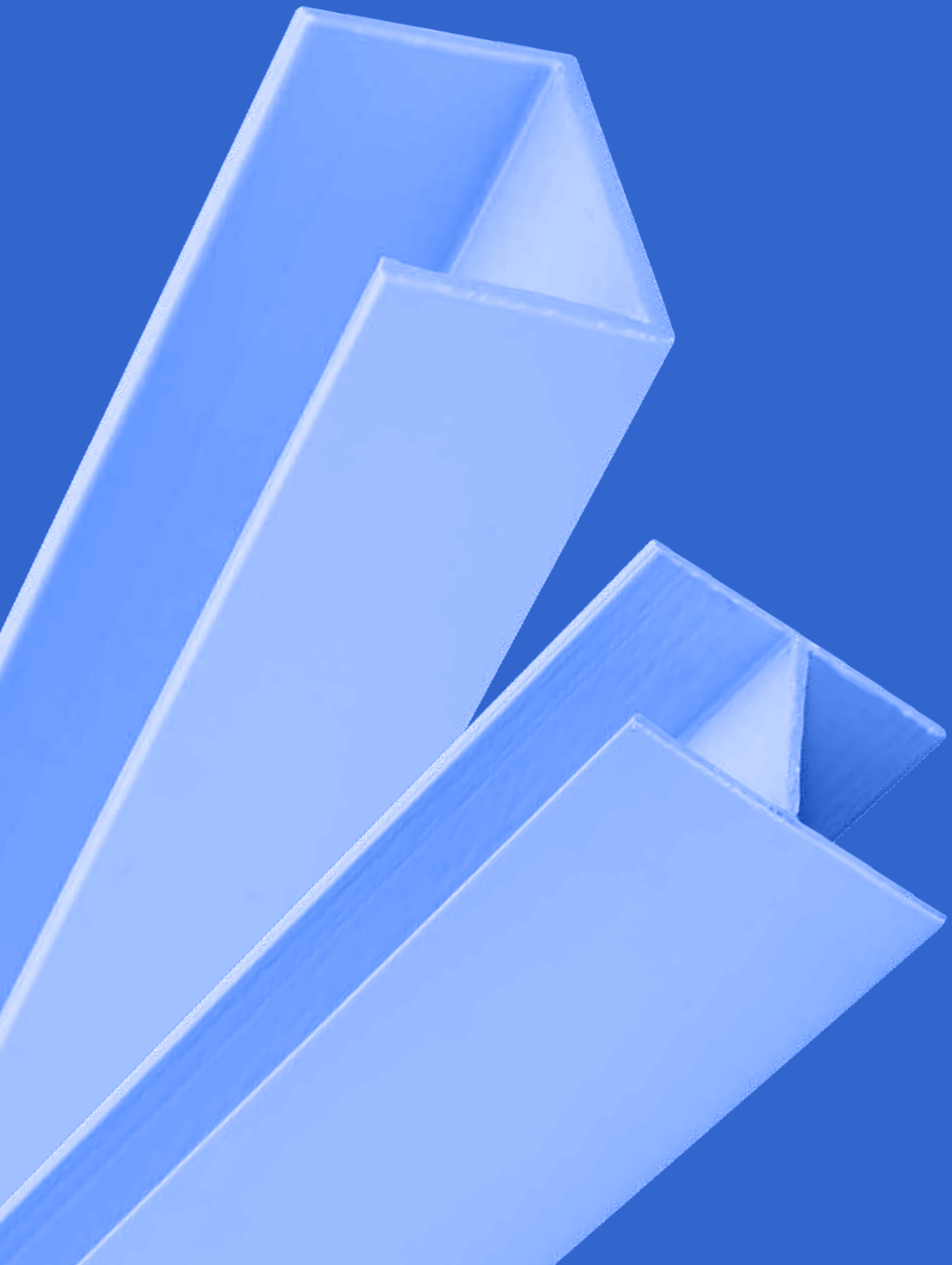


Double Venti®



*All sizes are given in mm.

Paneltim® Profiles



Uses

Connection of panels

Thanks to PP or PVC H and U profiles you can quickly connect Paneltim® panels to each other.

Fix panels to floors, walls and ceilings

Screw U profiles to floors, walls and ceilings, place the Paneltim® panels in there and weld them to the profile.

Optimal finish

You can easily and neatly cover any open cells of a custom-cut Paneltim® panel with a U profile. PP H and U profiles ensure a perfect finish so that, once the profiles are welded to the panels, dirt has no chance to penetrate the panels.





Points of attention

Not suitable for liquid applications and weight bearing applications.

Take into account the possible expansion.





Most important benefits:

- Profile, panel and welding wire in PP
- Time saving through simple processing
- Windproof sealing of seams
- Prevents penetration of dirt and bacteria
- UV resistant
- Low maintenance
- Impact resistant

Profiles



PP U-Profile

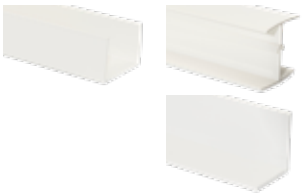
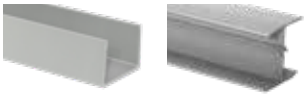
To connect panels.
To cover open cells.



PP H-Profile

To connect panels.

PP-PROFILES		Depth	Length	Pack pieces	Pack rm	
WHITE						
PP	U-profile	50 mm	3 000 mm	10	30	
PP	H-profile	50 mm	3 000 mm	10	30	
BEIGE						
PP	U-profile	50 mm	3 000 mm	10	30	
PP	H-profile	50 mm	3 000 mm	10	30	

PVC-PROFILES		Depth	Length	Pack pieces	Pack rm	
WHITE						
PVC	U-profile	50 mm	3 000 mm	10	30	
PVC	H-profile with V	50 mm	3 000 mm	10	30	
PVC	L-profile	50 mm	3 000 mm	10	30	
LIGHT GREY						
PVC	U-profile	50 mm	3 000 mm	10	30	
PVC	H-profile with V	50 mm	3 000 mm	10	30	

Although strong structures are best achieved by welding panels together, Paneltim also offers a limited range of fastening parts, which offer the possibility of quickly making light, yet sturdy and hygienic applications.

Paneltim® PP H and U profiles

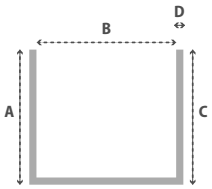
Paneltim® PP H and U profiles considerably speed up the creation of (lighter) constructions with Paneltim® panels. The profiles are both strong and durable, easy to process and to clean. Thanks to these profiles, creativity with Paneltim® panels really knows no limits.

Material

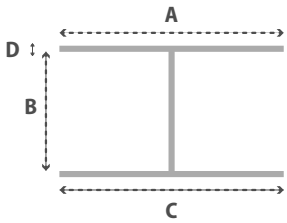
Paneltim® PP H and U profiles are made from PP. PP is very sturdy, durable and easy to process and to clean. Thanks to the addition of a UV stabilizer, the profiles are also UV-resistant.

Dimensions and colors

Paneltim® U-profile



Paneltim® H-profile



Profile	A mm	B mm	C mm	D mm	Length mm	Colors	
U-Profile (PP)	30	50	30	4	3 000		White UV RAL 9010
							Beige UV RAL 7032
H-Profile (PP)	64	50	64	4	3 000		White UV RAL 9010
							Beige UV RAL 7032
U-Profile (PVC)	40	50	40	2	3 000		White RAL 9010
							Light grey RAL 7001
H-Profile (PVC)	60	50	60	2	3 000		White RAL 9010
							Light grey RAL 7001
U-Profile (PVC)	30	35	30	2	3 000		White RAL 9010
H-Profile (PVC)	60	35	60	2	3 000		White RAL 9010

The above colors are indicative only and do not represent true colors. You will find the lead time and minimum order quantities in the price list. Not every color is available in every size. Contact us for more information.

Paneltim® Choosing the right panel



Production: from granule to panel

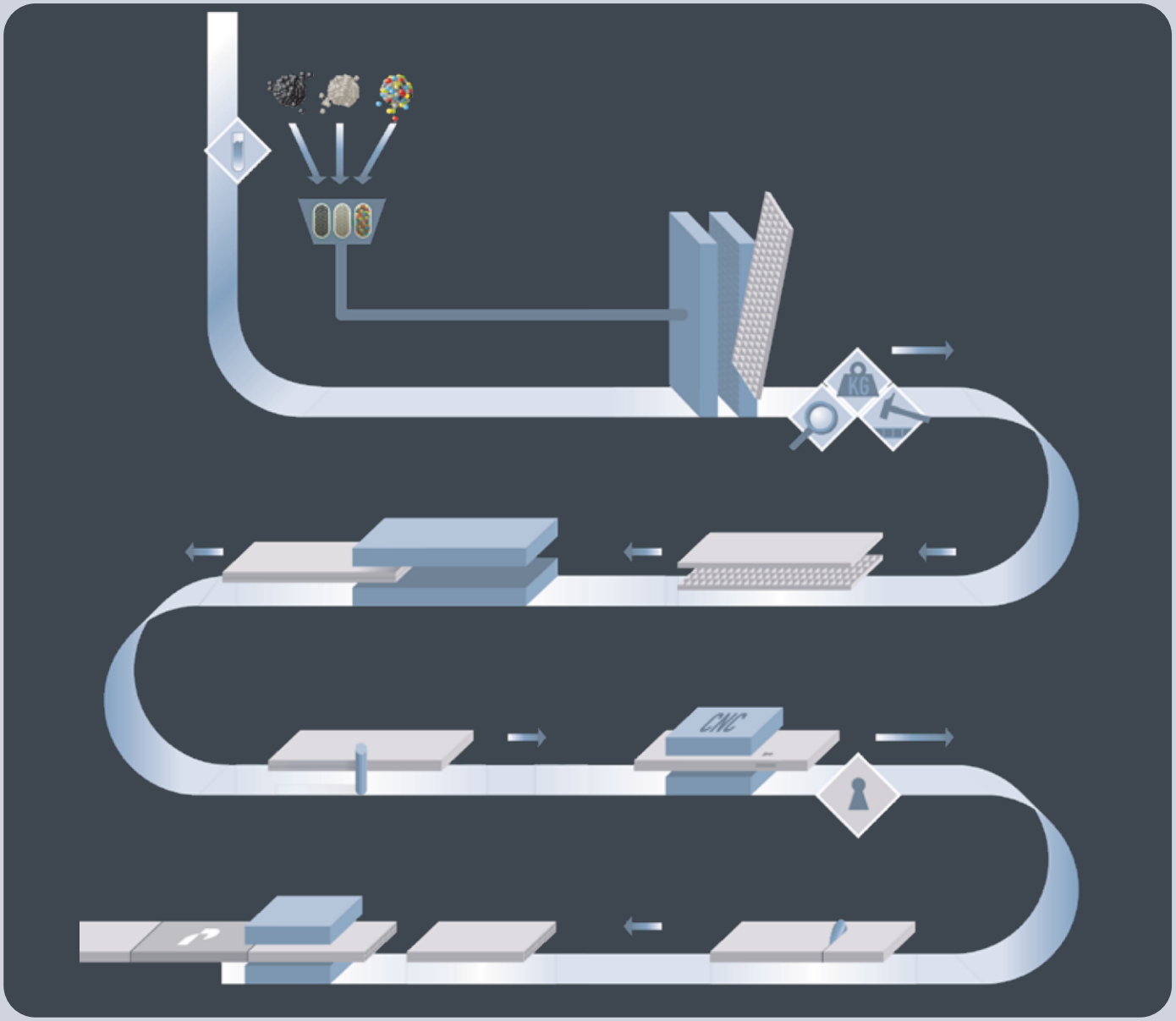
Prime and near-to-prime raw materials enter Paneltim® as round granules, recycled raw materials generally as grind (flakes).

The raw materials are mixed with the necessary pigments - also known as “masterbatches” - and, if needed, other additives such as UV stabilisers or fire retardants.

Half panels are then produced under high pressure in various injection molding machines. Our injection molding machines are among the largest in Europe. They have a clamping force of 1600, 1850, 3300 and 4000 metric tons.

The half panels are then welded together by large automated hot plate welding machines, after which they are stacked on pallets.





Raw materials for Paneltim® panels

Polypropylene or Polyethylene

Paneltim® panels are made from high-quality polypropylene copolymer (PP copo) or high-density polyethylene (HDPE), materials that have been tested according to European and international standards.

The panels therefore consist of only one raw material; 100% polypropylene or 100% polyethylene which simplifies its recycling at the end of its life.

Because Paneltim® panels are made from PP and PE, they are resistant to most chemicals and can be easily welded.

Polypropylene or Polypropene (PP)

Polypropylene is also known under the name polypropene.

Polypropylene is used in various product areas and can be processed and applied using various techniques such as injection molding, sawing, milling and drilling.

In most cases, Paneltim® panels made of PP are chosen because they are stronger, stiffer, and have a higher elastic modulus.
PP is also less sensitive to deformations and performs better at higher temperatures.



Plastic containers made of PP

Polyethylene or Polyethene (PE)

Polyethylene is also known under the older name of polyethene.

In some cases, Paneltim® panels in polyethene are used, for example at a very low operating temperature.
When existing PE products have to be added or combined with Paneltim® panels, preference will also be given to PE panels.



PE Pipes

Prime FEA, Prime, near-to-prime & recy

Paneltim® panels are available in a wide range of options: in addition to the choice between PP copo and HDPE, you can choose from 4 different grades of PP: prime fea, prime, near-to-prime or recycled raw materials.



Prime raw materials

Prime FEA

Prime FEA quality refers to virgin material with rigorously documented specifications. Over the years, Paneltim® has invested heavily in research and development to establish long-term performance data for this material grade, enabling engineers to perform FEA simulations with confidence. The comprehensive mechanical properties are verified and documented in the Paneltim® Technical Standard (PTS).

Prime

Prime quality refers to virgin material with documented specifications, offering consistent performance for general-purpose applications. When your application requires reliable mechanical properties—but not the stringent tolerances needed for FEA analysis—Paneltim® panels made from prime quality plastic deliver excellent value and versatility



Near-to-prime raw materials

Near-to-prime (NTP)

The properties of Near-to-prime or “wide-spec” material may deviate to a certain extent from the specifications of prime material. Even though the quality of NTP is very high, the mechanical properties may deviate as the sources may vary.

Minimal technical or visual deviations may appear and long-term calculations cannot be made. Therefore, the PTS is not applicable to our wide-spec panels. However, for certain applications this may not be necessary and near-to-prime quality may suffice.



Recycled raw materials

Recy

50% of the panels produced by Paneltim® are made from 100% recycled raw materials. Paneltim® uses both "post-industry" and "post-consumer" panels that are processed into reusable raw materials.

These raw materials are inspected both externally and internally in the Paneltim® lab. After all, we want our recy panels to remain true to our light, strong and hygienic principles. Because this material is not always single source material, long-term data cannot be provided.

Keep in mind that tone differences can occur with recycled panels. Limited contamination of recycled raw materials with other polyolefins, other polymers and mineral fillers may appear.

Reasons to choose Paneltim®

STRONG

Thanks to their internal cell structure, Paneltim® panels are extremely strong. The cells ensure that the panels have excellent bending resistance in all directions.

LIGHT

Thanks to their hollow cell structure, Paneltim® panels are very light, while retaining their sturdiness and rigidity. This not only facilitates the processing of the panels, but also lowers the costs of transport and installation.

HYGIENIC

Paneltim® panels are resistant to many chemicals, repel dirt and are easy to clean with a high-pressure cleaner. Thanks to the closed cell structure, dirt has no chance to penetrate into the panels.

SIMPLE PROCESSING

Standard Paneltim® panels can be processed to all desired dimensions thanks to different welding techniques or mechanical connections.
The panels are also easily processed with traditional methods such as sawing, drilling, screwing,...

100% RECYCLABLE

Paneltim® panels always keep their raw material value because of their recyclability.

DID YOU KNOW THAT Paneltim® PANELS...

...OFFER ENORMOUS FLEXIBILITY?

The panels are welded together quickly and easily so that any desired dimension can be created. Both in the workplace and on site.

...ARE INSULATED?

Paneltim® panels are filled with air on the inside and therefore perform well in terms of thermal insulation in comparison with similar products. Air has a high thermal resistance. This insulation effect can be compared with the principle of a cavity wall or double glazing. For even more insulation, you can use our newest EPP panels.

...CAN ALSO BE USED OUTSIDE BY ADDING UV STABILISERS?

Paneltim® panels of prime quality are always provided with UV stabilisation and can be used outside in light colors even in sunny regions like Australia and Africa.
We always recommend using light colors for outdoor applications.



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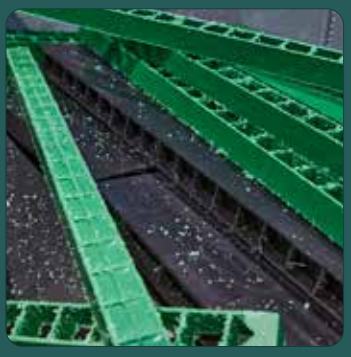


Ecological aspect of Paneltim® products

HOW OUR PRODUCTS AND PRODUCTION PROCESS IMPROVE OUR ECOLOGICAL FOOTPRINT.

- Paneltim products are made of polypropylene copolymer (PP copo) or high density polyethylene (HDPE).
- Through our Buy Back Program, we reclaim offcuts and select used panels, giving them new life through our recycling process.
- The panels are 100% recyclable: the closed structure contains no internal pollution and the panels are made from one raw material component (PP or HDPE) to facilitate the recyclability.
- 50% of all the panels that Paneltim produces, are made from 100% recycled materials.
- There is a systematic control. during the purchase of recycled materials.
- Rest material during the production or local manipulation is recycled by Paneltim or by external recycling companies. We can use this recycled material as a basis for production of new recycled panels.
- Paneltim® panels always keep their raw material value because of their recyclability.
- With a unique production process, Paneltim takes care of the environment and makes its contribution towards sustainable development.
- Paneltim achieved QA-CER certification. QA-CER recycled content assures the quality system related to the recycling process and use of recycled materials. Both the recycled content and the quality of the end product are addressed in order to support the principle of sustainability.







Paneltim® Processing of panels



Paneltim® plastic panels are easy to install and attach. The extensive processing and welding options make simple and quick assembly, installation and customisation possible.
With Paneltim® creativity has no boundaries.

Flexible dimensions

Standard Paneltim® plastic panels can be processed to any desired size via the butt welding technique or by means of hot air welding and/or extrusion welding.
The panels are easily processable with traditional methods such as sawing, drilling, screwing,... allowing you to easily cut them to the length or width that you need.

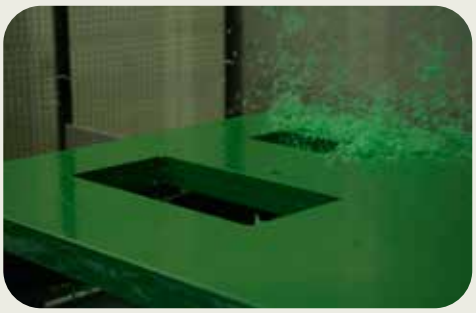
The light weight of the panels facilitates faster assembly of large pieces into one.



Multi-processable

Due to the internal cell structure of 50 mm x 50 mm, 100 mm x 50 mm or 100 mm x 100 mm of the panels, you can easily ensure that the outer edges of the panels remain closed, even with customisation. If you take the dimensions of the internal cells into account, even openings that are milled into the panels with a CNC machine are closed.

This way your construction not only looks good, you also prevent dirt from settling inside the panels.



Combining with other materials

Paneltim® panels made from PP or PE can be welded together with other materials in PP or PE, such as solid panels, pipes, and the like.

It is also possible to attach all kinds of pipes to the panels.



Installations in small spaces

The installation of a tank or other construction in a limited space can be carried out at the site. This is a major advantage compared to the installation of traditional tanks. Waterproof assembly and welding, making connections to existing pipe entrances, etc. - everything can be done on site.



Welding

Paneltim® panels can be processed to all the desired dimensions and shapes by butt welding, hot air welding and/or extrusion welding. The short welding cycle shortens the processing time considerably.



Hot air welding

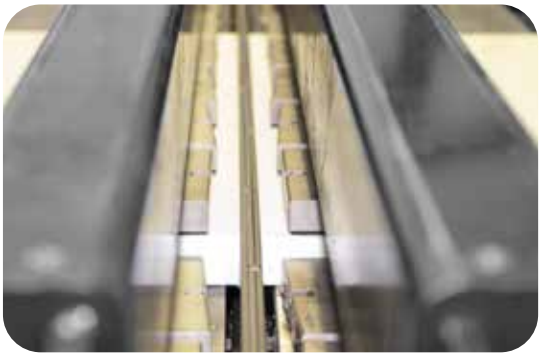
Hot air welding is a technique where welding wire is used to join plastic panels together. Triangular welding wire is preferably used for hot air welding. The welding wire is guided through a tube that is preheated by hot air. The correct temperature, speed and the right pressure on the weld is essential. This determines the quality of the weld. A thicker weld is not always a stronger or better weld!

Extrusion welding

Extrusion welding is a welding process in which the PP or PE welding wire is finely ground in the welding machine and then heated under pressure to a plastic, deformable mass with which two plastic parts are bonded together.
A 'welding shoe' presses the mass against the panels and determines the width of the weld. Through the exerted pressure and the speed with which the weld is applied, the welder determines the thickness of the weld. Here too the following applies: a thicker weld is not always a stronger or better weld! Always use the correct welding shoe and temperature!







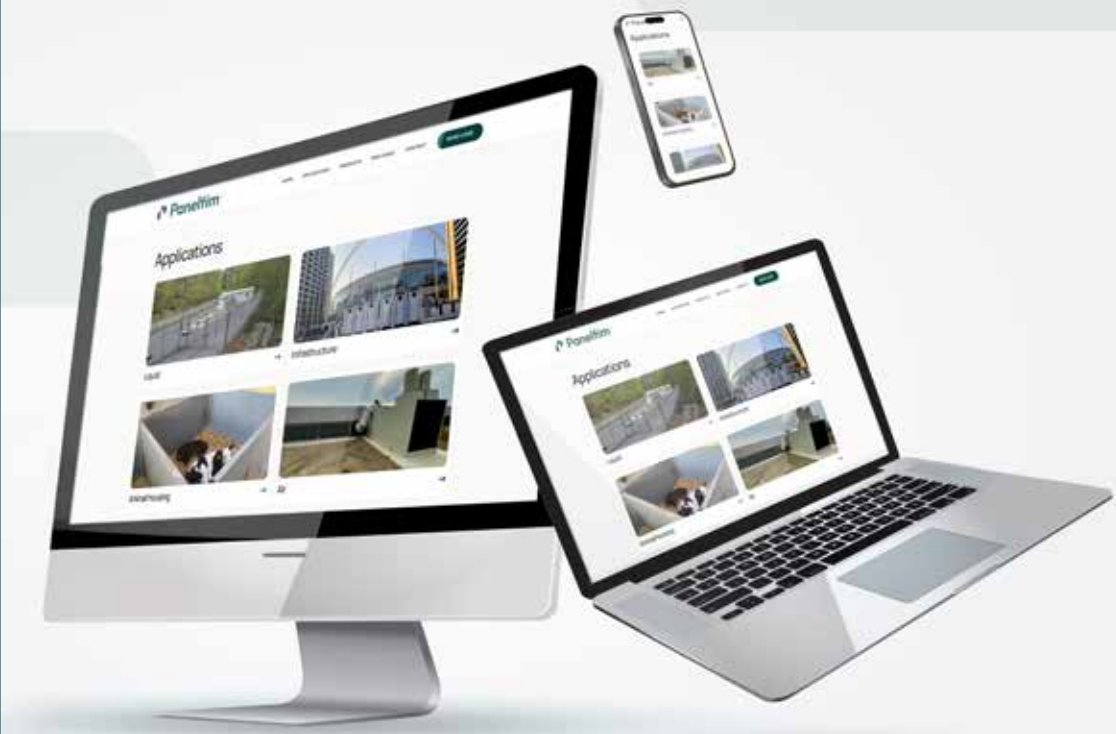
Butt welding

With butt welding, two panels are attached to each other by fusing them. The panels are pushed briefly against a hot 'mirror'. This makes the edges a little 'liquid-plastic'. By then pressing them together, they cool and melt into one.

Always weld open sides together. With the large Paneltim® Multipower panels of 2,600 mm x 1,000 mm, the first cell is therefore narrower: 50 mm x 25 mm. This way material loss during welding is minimized.

Paneltim

We empower creators
to **build what lasts**



The Paneltim App

Your digital sales buddy 24/7

What WILL the app offer YOU?

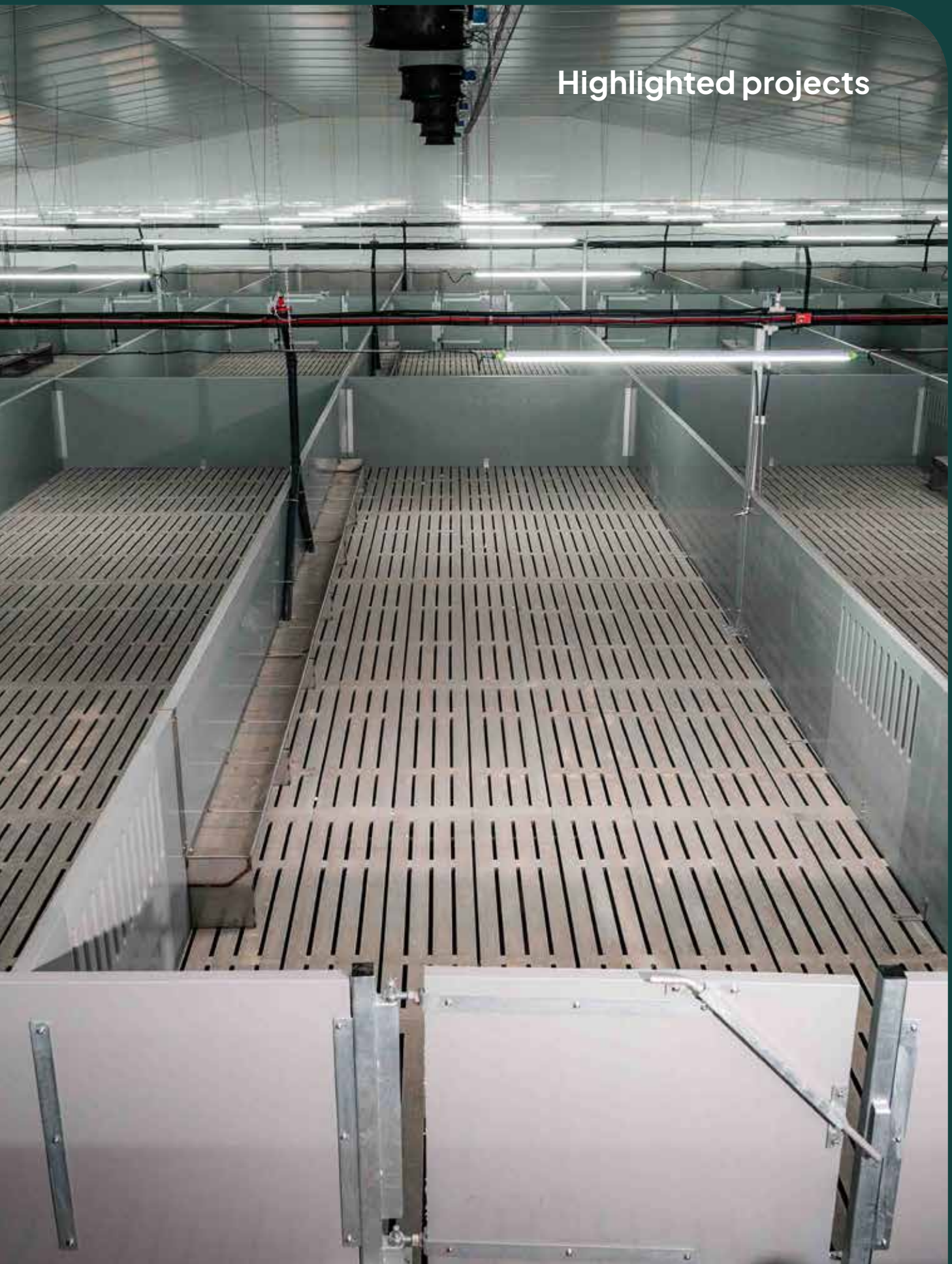
Our app is your personal Paneltim colleague that travels everywhere with you on your mobile devices.
It's your sales buddy, always ready to inspire your contacts about the endless possibilities of Paneltim®.

CONTACT US FOR MORE INFORMATION.

Paneltim

We empower creators
to **build what lasts**

Highlighted projects





Sow group housing

Project of: Qualtity Equipment - UK
Product: Paneltim Lightweight & Venti 50 mm 100% recycled
Challenge: Constructing heavy-duty, large-scale pens for dynamic sow groups with extra-long feeding troughs, requiring materials strong enough to withstand the immense forces and biting of heavy sows without compromising ventilation or hygiene.

Benefits:
Paneltim® 50 mm panels offer the superior stiffness and impact resistance needed for aggressive group housing. Unlike hollow PVC boards that crack under sow weight or porous concrete that degrades over time, Paneltim panels remain indestructible and 100% hygienic. Their lightweight design allowed extra-long wall sections to be easily carried and positioned by just two workers, drastically cutting installation time. Ventilation slots and feed troughs are easily integrated directly into the panels.

Microclimate covers for piglets



Project of: Paneltim® Agro Scandinavia (PAS) – Denmark
Product: Paneltim® Lightweight 20 mm PP copo
Challenge: Creating an airtight, energy-efficient microclimate zone for 3,920 piglets in Tølløse (DK) using covers that will not sag over time and prevent water accumulation on top after cleaning to avoid disease transmission

Benefits:
Paneltim® 20 mm Lightweight panels (7.5 kg/m²) combine high rigidity with excellent thermal insulation thanks to their internal hollow cell structure. The covers retain body heat under the lid—reaching up to 35°C while the surrounding barn stays at 22°C—eliminating the need for extra heating and saving substantial energy. While conventional insulation panels degrade from ammonia within five years and PVC boards accumulate internal dirt, Paneltim® panels are hermetically sealed, airtight, and fully corrosion-resistant. Their light weight allows for effortless manual or automated hinging and rapid pressure washing.



Central passage and compartment dividing walls

Project of: Qualtity Equipment - UK
Product: Paneltim Lightweight 50mm 100% recycled PP
Challenge: Erecting endless partition walls between warm animal compartments and colder central service hallways, preventing condensation while providing solid anchoring for heavy pen gates and technical installations.

Benefits:
The internal cell structure of Paneltim® panels acts as an effective thermal barrier, completely eliminating condensation despite sharp temperature differences between the hallway and the rooms. The continuous, rigid panels allowed the endless corridor to be erected in record time using sustainable recycled PP. Heavy equipment, electrical conduits, and water lines can be screwed directly into the panel faces, while pen doors and dividers are anchored solidly without extra steel subframes.

Paneltim is a manufacturer and distributor of PP and PE panels.
Neither the processor nor Paneltim can be held responsible for the results of other projects. We would love to put you in touch with experts in this field.

Highlighted projects

Drinking trough partition wall

Project of: Fesma – Estonia
Product: Paneltim® Lightweight 50 mm PP copo
Challenge: Protecting adjacent lying cubicles from constant water splashing around high-volume drinking troughs, preventing wet bedding and mastitis without cumbersome concrete pouring or rust-prone steel partitions.

Benefits:
Paneltim® 50 mm panels form a 100% water- and dirt-tight splash barrier that keeps cubicle bedding bone-dry, directly supporting lower somatic cell counts and optimal udder health. Unlike concrete that requires cure times or wood that rots under constant moisture, pre-cut 1200 mm high Paneltim panels mount directly to barn pillars in just a few hours. The ultra-rigid internal cell design easily absorbs the heavy impact and rubbing of 700+ kg cows, while the non-porous polypropylene surface prevents algae and biofilm buildup, making high-pressure washing effortless.



On-Site welded robotic milking room

Project of: Greutink Staltechniek B.V. - The Netherlands
Product: Paneltim® Lightweight 50 mm PP Copo
Challenge: Building hygienic and easy-to-clean robotic rooms for milking robots quickly in existing barns

Benefits:
Paneltim® 50 mm panels allow for fast, fully flexible assembly, either as pre-assembled POLYpro elements or hand-welded on-site into a completely seamless room. There is zero downtime waiting for concrete, stucco, or surface coatings to cure. With an insulation value superior to 150 mm of non-insulated concrete, it provides a stable indoor climate. Accessories and technical equipment are easily mounted directly onto and on top of the durable walls.



Solid herd management gates & fences

Project of: Fesma – Estonia
Product: Paneltim® Lightweight 50 mm PP copo
Challenge: Guiding cow traffic smoothly toward milking robots or sorting lanes with lightweight, impact-resistant gates that prevent animals from getting stuck, eliminate rattling noise, and withstand aggressive slurry corrosion.

Benefits:
Solid Paneltim® gates provide visual calm; cows move forward without hesitation or distraction compared to open-barred tubular gates. The absence of openings completely eliminates the risk of legs or heads getting trapped and prevents torn ear tags. Because the internal cell structure provides high structural stiffness without excessive weight, gates swing effortlessly with one hand and relieve stress on wall hinges. Polypropylene dampens noise when bumped—creating a calmer barn environment—and will never corrode or splinter from constant contact with slurry and moisture.





Semi-permanent outdoor calf group housing

Project of: Vervaeke - Belgium
Product: Paneltim Lightweight 50mm PP Near to Primewith UV
Challenge: Creating a flexible, modular outdoor housing solution for calves up to 6 months that guarantees optimal air quality, prevents respiratory diseases, and withstands harsh weather and mechanical mucking out.

Benefits:
The internal cellular structure of Paneltim® panels offers natural thermal insulation while remaining 100% draft-free, creating a healthy microclimate without condensation. Unlike traditional PVC boards, large Paneltim® panels are exceptionally rigid and impact-resistant, withstanding calf kicks and daily contact with yard scrapers or loaders. Prefabricated panels allowed the dealer to complete the entire installation in just a few days. The non-porous surface is smooth and cleans quickly with a pressure washer, ensuring the highest biosecurity standards.



Modular lamb penning around automatic milk feeder

Project of: Emma Farm Solutions – Greece
Product: Paneltim® Lightweight 20 mm PP 100% Recycled
Challenge: Designing a modular, space-efficient penning layout around an automatic lamb milk feeder. Ensuring strict hygiene for vulnerable young lambs while keeping transport and installation fast and cost-effective

Benefits:
Thanks to the non-porous and non-absorbent surface of Paneltim® panels, optimal biosecurity is ensured; fluids cannot penetrate the material, preventing bacterial growth around the milk feeder and offering a superior alternative to traditional wood. With a thickness of only 20 mm, the panels are exceptionally compact to stack for transport and lightweight to handle during on-site installation. Furthermore, fixation elements and feeding accessories can easily be pre-assembled in the workshop, allowing for a swift, seamless setup of a durable, draft-free, and modular lamb penning system



Dog kennels with outdoor runs

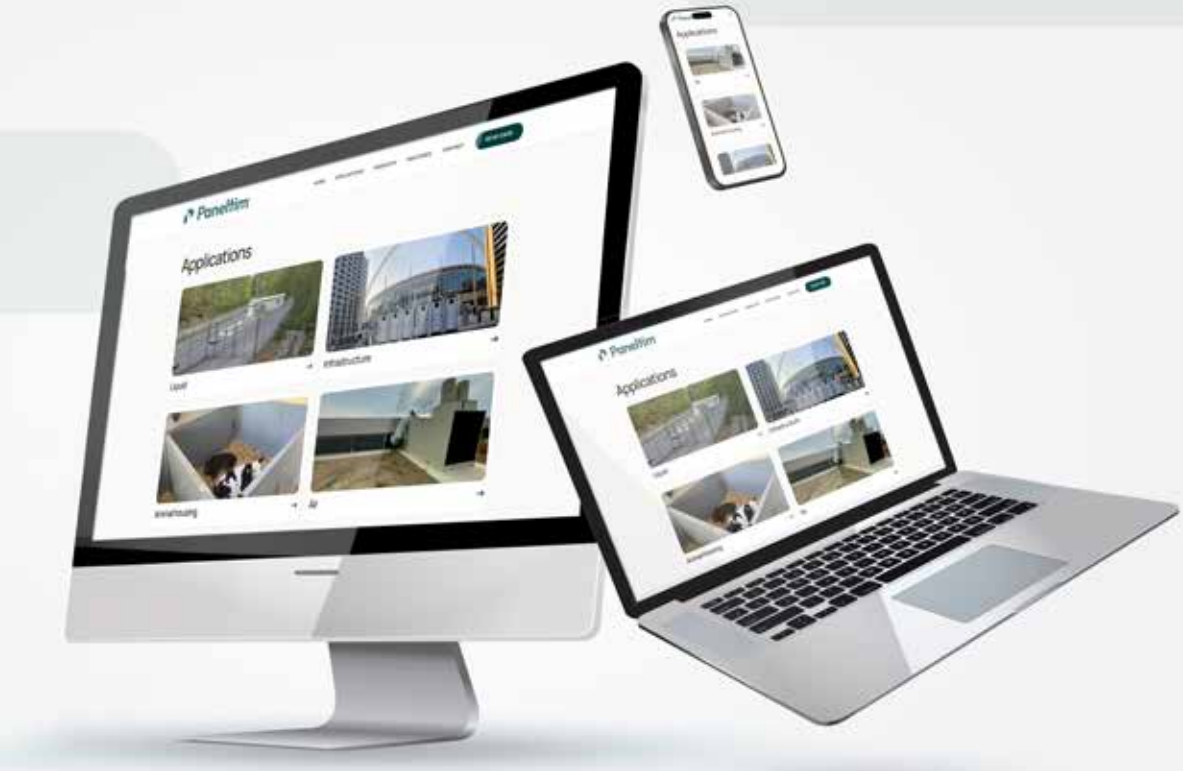
Project of: Vervaeke - Belgium
Product: Paneltim Lightweight 50mm Near to Prime
Challenge: Building a quiet, stress-reducing shelter and boarding kennel with outdoor runs that eliminates drafts, dampens barking noise, and withstands aggressive gnawing and frequent chemical disinfection.

Benefits:
The cellular structure of Paneltim® polypropylene panels provides significant acoustic absorption, noticeably reducing echo and barking noise compared to traditional sheet metal or concrete. PP is far more scratch- and bite-resistant than standard PVC and does not corrode or splinter. Between indoor and outdoor compartments, the sturdy partition walls eliminate cold ground drafts. The seamless, non-absorbent surface prevents urine penetration and odor buildup, making daily high-pressure cleaning fast and hygienic.

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