

# Paneltim® Interconnected Panel

polypropylene structural panel with interconnected cells

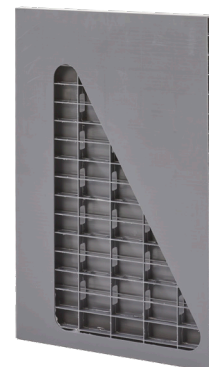
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## Versatility through openness

The interconnected panel holds true to the light, strong and clean characteristics for all Paneltim Panels and adds in unwavering flexibility through an open cell structure within. With smart design, the Interconnected panels combine numerous advantages, european engineering and quality at an unseen price point.

### Features of the Structural Plastic Panel

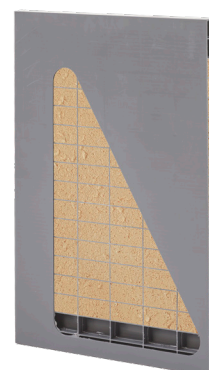
- **Interconnected:**  
With open cells the inside of the panel becomes flexible in use. From insulating the panel with foam, reinforcing it with metal piping, or to hide wiring or tubing. The options are endless.
- **Reinforced bottom and top:**  
Both top and bottom of the panel have 100x50mm cells without openings to allow for sturdy fixation with for example L brackets, ensuring easy modular designs.
- **Open edge:**  
Easier to butt weld thanks to its 2 open sided design resulting in faster processing and less material loss.
- **Workability:**  
The structural panels can be easily processed through CNC milling, sawing, and different techniques of welding (butt-, extrusion-, hot air-welding)



Interconnected Cell Panel



Interconnected Cell Panel reinforced with metal piping



Interconnected Cell Panel filled with insulation foam

### Advantages:

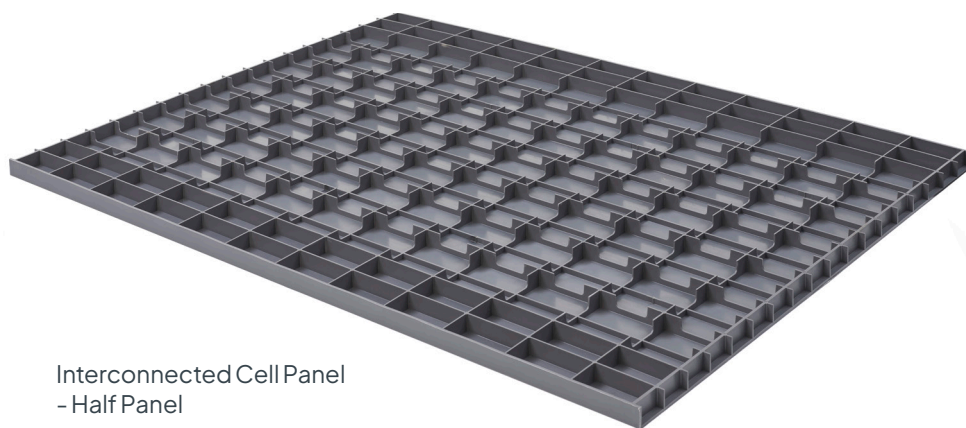
- **Flexible in use:**  
The Interconnected panel can be what you want it to be. Need better insulation? Add insulation foam. Need more rigidity? Add metal reinforcements. Want to hide cables? Add cable management inside the panel. Or use it as you would with any Paneltim Panel.
- **Lightweight**  
The Interconnected Panels were engineered with the main Paneltim criteria in mind: light, strong and clean. With an interior cell of 100 mm x 100 mm and open cell structure the panel is lighter than ever.
- **Recyclable:**  
Our panels are a lightweight and recyclable alternative to plywood, concrete panels, or other conventional solid sheets or sandwich panels. Offcuts and panels without addition of other materials can be recycled via our buy back program.

### Applications:

- Metal reinforced animal penning
- Partition walls with integrated insulation and/or wiring
- Reinforced walling

## Specifications

|                          |                             |
|--------------------------|-----------------------------|
| Material                 | Polypropylene (recycled)    |
| Weight                   | 8,8 kg/m <sup>2</sup>       |
| Thickness                | 50 mm                       |
| Cell structure           | 100 mm x 100 mm             |
| Top & Bottom rows        | 100 mm x 50 mm closed cells |
| Exterieur wall thickness | 3,5 mm                      |
| Color                    | RAL 7001 (grey UV)          |
| Dimensions               | 1200 mm x 900 mm            |
| Recycling                | 100% recycable              |



Interconnected Cell Panel  
- Half Panel

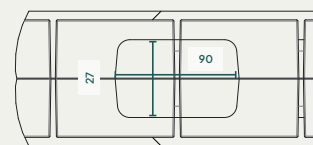
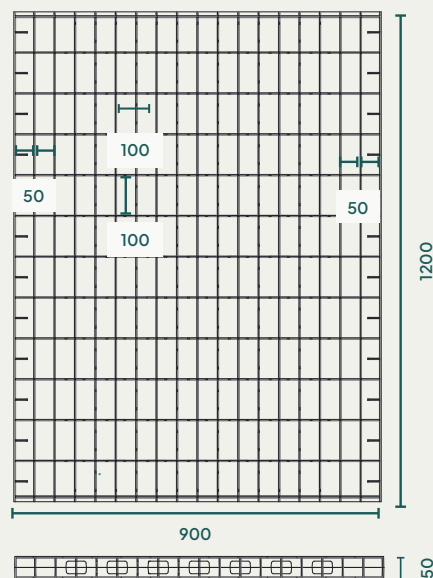
## Disclaimer

This information contains only typical properties of the products. This means these values can deviate. It is the customer's responsibility to inspect and test the product(s) in order to establish the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use while processing and handling all product(s) purchased from us. Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or suitability for a particular purpose.



Paneltim nv | Industrielaan 38 | I.Z. Kwakkel C3 | B-8810 Lichtervelde  
T: +32 (0)51 72 67 60 | E: sales@paneltim.com | E: engineering@paneltim.com

## Internal structure



## The key reasons for choosing Paneltim® panels

### Light, yet strong

Due to their internal cell structure (100 mm x 100 mm) Paneltim® Interconnected panels are light, yet sturdy and strong.

### Easy to work with

Paneltim® panels are easy to work with using standard hand tools such as saws, drills and screws, or by milling. Panels can be joined together to whatever dimensions required by means of plastic welding.

### Quick assembly

Large surface areas created in this way can still be assembled quickly because Paneltim® panels are so light. Pipes and control boxes are quick and easy to install on Paneltim® partitions and walls – ideal in corridors and technical rooms.



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Paneltim is a manufacturer and distributor of PP plastic panels. Neither the installer nor Paneltim can be held responsible for the results of other projects. We are happy to put you in touch with experts in this field.  
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