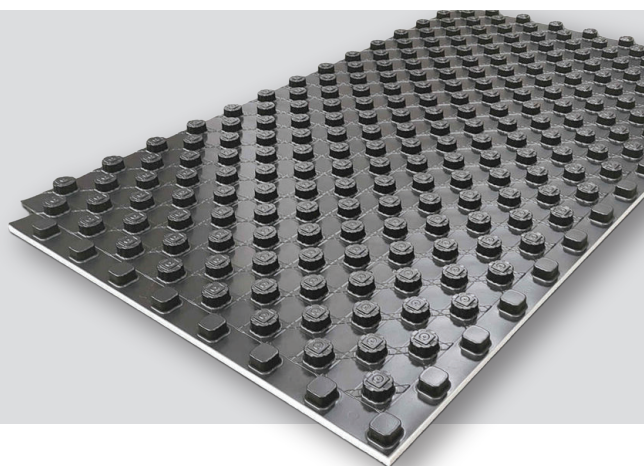




TEKWARM IZOTOP 11 CASTELLATED PANEL



OVERVIEW

Tekwarm Izotop 11 is a high-performance castellated panel system designed for underfloor heating (UFH) installations. It features an integrated 11 mm EPS 150 grade insulation layer bonded to the base, providing enhanced thermal performance, structural rigidity, and ease of installation. The castellated design ensures secure and uniform pipe placement, making it ideal for both residential and commercial UFH applications.

PRODUCT CODES & PACKAGING

Product Code:	PR011103
Panel Size (L×W):	1450 mm × 850 mm
Usable Surface Area (L×W):	1400 mm × 800 mm
Coverage Area Per Panel:	1.12 m ²
Panels Per Box:	14
Panel Weight:	1.225 kg
Total Box Weight:	17.15 kg

TECHNICAL SPECIFICATIONS

Panel Size (L×W):	1450 mm × 850 mm
Usable Surface Area (L×W)	1400 mm × 800 mm
Coverage Area:	1.12 m ²
Insulation Thickness:	11 mm (EPS 150)
Suitable Pipe Size:	16 mm UFH pipework
Pipe Spacing:	50 mm
Panel Weight:	1.225 kg
Total Box Weight:	17.15 kg
Material:	EPS 150 + High-Density Plastic
Thermal Conductivity of EPS 150:	0.035 W/mK

KEY FEATURES & BENEFITS

- **Energy-Efficient Design** - Reduces heat loss, optimising UFH performance
- **Lightweight Yet Durable** - Easy to handle, transport, and install
- **Time-Saving Installation** - Interlocking panels reduce cutting and waste
- **Pipe Protection** - Prevents movement and ensures even heat distribution
- **Versatile Compatibility** - Works with standard 16 mm UFH pipework
- **Eco-Friendly & Recyclable** - Supports sustainable construction

EDGE STRIP INSTALLATION

A perimeter expansion strip should be installed around all internal and external walls to allow for expansion and contraction of the floor system.

SOFT BENEFITS OF TEKWARM IZOTOP 11

- **Improved Thermal Performance** - Enhances UFH efficiency, reducing energy bills
- **Comfort & Even Heat Distribution** - Minimises cold spots in the flooring
- **Minimised Heat Loss to Subfloor** - Helps maintain optimal heating efficiency
- **Ideal for Fast-Track Projects** - Quick and easy to install, saving time on-site
- **Reduced Labour Costs** - No need for additional fixing clips
- **Optimised Material Usage** - Less cutting and waste, improving cost-effectiveness
- **User-Friendly Installation** - Allows both expert and novice installers to achieve a high-quality UFH system due to the precise pipe spacing, which contributes to a more thermally uniform heat output

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SCREED COMPATIBILITY & THICKNESS

Fibre-reinforced bagged flowing screeds:

- Minimum 19 mm cover over pipes (e.g., Tekcem 550)
- Total system height (panel + pipework + screed) = 35 mm

Traditional sand & cement screeds:

- Minimum 35 mm cover over pipework
- Total system height = 51 mm
- Refer to the specific screed manufacturer's technical requirements to ensure minimum thicknesses are achieved in accordance with their recommendations and aligned with relevant British or European standards.

Standard Flowing Screed - Plant or Truck Batched:

- Typical minimum thickness is 25 mm over the top of the UFH pipework.
- Refer to the manufacturer's specific application guidelines and application requirements for best performance.

STORAGE & HANDLING

- Store in a dry, covered area to prevent moisture absorption.
- Avoid prolonged UV exposure to prevent material degradation.
- Handle with care to maintain panel integrity before installation.

PRODUCT LIMITATIONS

- Not suitable for direct exposure to heavy impact loads.
- Avoid installation in areas with prolonged standing water.
- Ensure compatibility with adhesives or primers before use on non-standard substrates.

HEALTH & SAFETY

- Always wear appropriate PPE (gloves and safety glasses) during handling.
- If cutting panels, avoid prolonged inhalation of dust.
- Dispose of waste materials responsibly in accordance with local regulations.
- Refer to the Material Safety Data Sheet (MSDS) for further safety guidance.

APPLICATION SUITABILITY

- Compatible with both traditional and liquid screeds
- Suitable for residential and commercial UFH systems
- Works with standard 16 mm UFH pipework