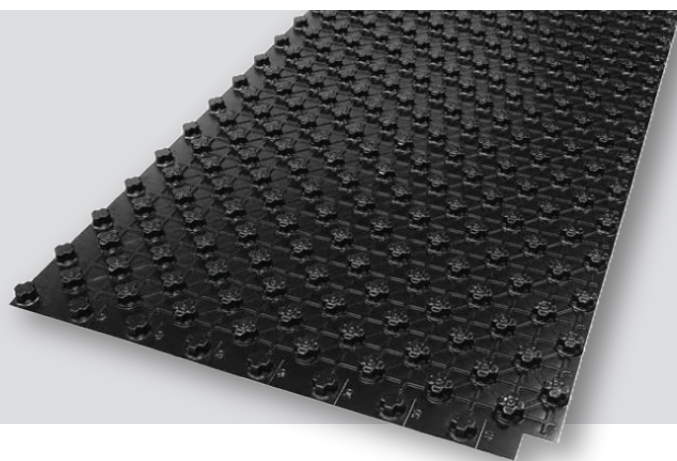




TEKWARM IZOTOP CASTELLATED PANEL



OVERVIEW

Tekwarm Izotop is a high-performance castellated panel system designed for underfloor heating (UFH) installations.

Available in two variants - plain-backed and self-adhesive-backed - Tekwarm Izotop ensures superior adhesion to various substrates, offering flexibility for different installation requirements.

KEY FEATURES & BENEFITS

- High-Tack Self-Adhesive Layer Option Available
- Eliminates Pipe Contact with Insulation
- Integrated Castellated Design for Uniform Pipe Spacing
- Rigid Panel Structure Prevents Pipe Movement
- Interlocking Panel System Reduces Waste
- Fast and Easy Installation Without Pipe Clips
- Metric Graduation for Precise Cutting
- Recyclable Material Reducing Environmental Impact

TECHNICAL SPECIFICATIONS

Specification	Tekwarm Izotop Plain	Tekwarm Izotop Self-Adhesive
Panel Size (L x W)	1150 mm x 750 mm	1150 mm x 750 mm
Usable Panel Size (L x W)	1100 mm x 700 mm	1100 mm x 700 mm
Coverage Area	0.77 m ²	0.77 m ²
Panel Height	20 mm	20 mm
Plate Thickness	1 mm	1 mm
Self-Adhesive Layer	N/A	N/A
Suitable Pipe Sizes	16 - 17 mm	16 - 17 mm
Pipe Spacing	50 mm	50 mm
Panel Weight	0.9 kg	0.9 kg
Total Box Weight (22 Panels)	19.8 kg	19.8 kg
Waste Disposal	Recyclable	Recyclable

PRODUCT CODES & PACKAGING

Product Codes:

- Non-Self-Adhesive Panel: PR010962
- Self-Adhesive Panel: PR010542

Pack Size:

- 22 sheets per box
- Total Box Weight: 19.8 kg

INSTALLATION RECOMMENDATIONS

Substrate Preparation:

Ensure the substrate is dry, clean, and free of debris before installation. Compatible with:

- 500-gauge separating membranes
- 1200 or 2000-gauge DPMs
- PIR, EPS, and XPS insulation

Primer Selection (for Self-Adhesive Panels):

- For porous substrates: Use Tekprime.
- For non-porous substrates: Use Tekgrip.

Refer to www.tekcem.co.uk for full application guidance.

Screed Recommendations:

- For fibre-reinforced bagged flowing screed applications, a minimum cover of 19 mm above UFH pipes is required when using a fibre-reinforced levelling screed, such as Tekcem 550.
- Total system height (panel + pipework + screed) = 35 mm.
- For alternative flowing screeds, refer to the manufacturer's technical data sheet for minimum thicknesses over underfloor heating pipework and application guidance.
- For sand and cement or semi-dry screeds, a typical cover of 35 mm over pipework is required, resulting in a minimum system depth of 51 mm.

Edge Insulation:

A perimeter expansion strip should be installed around the room to allow for screed expansion.

STORAGE

Tekwarm Izotop panels should be stored in a dry and covered area to prevent exposure to moisture, UV light, and extreme temperatures. Prolonged exposure to direct sunlight may cause material degradation.

PRODUCT LIMITATIONS

- Not suitable for direct exposure to high impact loads without proper covering.
- Should not be installed in areas with prolonged standing water.
- Ensure compatibility with adhesives or primers before installation on unusual substrates.
- Always follow recommended screed thicknesses to maintain system integrity.

HEALTH & SAFETY

- Always use appropriate PPE (gloves and safety glasses) when handling panels.
- Avoid prolonged inhalation of dust if panels are cut or trimmed on-site.
- Dispose of waste materials responsibly and in accordance with local regulations.
- Refer to the relevant Material Safety Data Sheet (MSDS) for further safety guidelines.

APPLICATION SUITABILITY

- Compatible with both traditional and liquid screeds
- Suitable for residential and commercial UFH systems
- Works with standard 16-17 mm UFH pipework