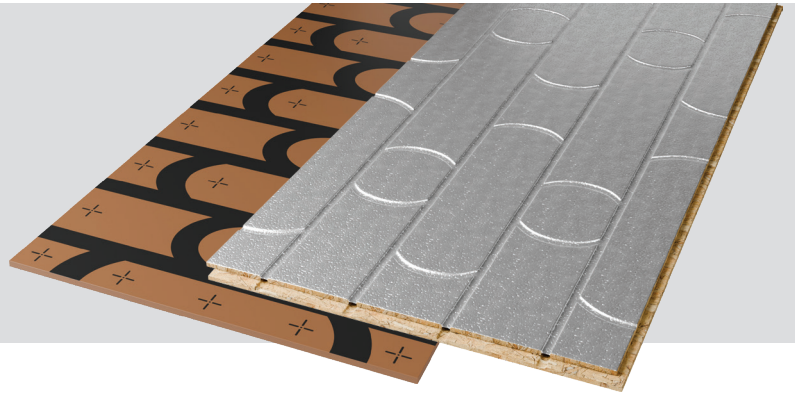




Tekwarm OSB 22



OVERVIEW

Tekwarm OSB 22 is a 22mm thick, precision-routed OSB panel designed exclusively for domestic underfloor heating (UFH) applications. Manufactured to EN 300 OSB/3 standards, the panel is engineered for structural applications in humid conditions, offering excellent dimensional stability and load-bearing capacity.

The board is specifically routed for 16mm UFH pipework and is available in foil-faced and plain board options. To ensure suitability for load transfer and protection of the pipe system, a 12mm overlay panel must be installed over the OSB board before the final floor finish.

PRODUCT FEATURES

- 22mm thick OSB board, routed for 16mm UFH pipe.
- Board size: 1200mm x 600mm.
- Available in foil-faced and plain board options.
- Manufactured to EN 300 OSB/3 standards for humid environments.
- Exceeds a 1.5 kN point load capacity, meeting British Standard requirements for domestic applications.
- Not suitable for commercial or industrial use.
- High dimensional stability, reducing movement over time.
- Joints must be glued to enhance strength and reduce deflection.
- Edges must be supported by joists to maintain load distribution.
- Brick bond installation pattern with stack joints for adjacent boards, following good installation practice.
- 6mm Tekwarm HDF Overlay Panel is required to distribute loads evenly and provide a suitable surface for floor finishes.

TECHNICAL DATA

Property	Value
Thickness	22mm
Board Dimensions	1200mm x 600mm
UFH Pipe Compatibility	16mm
Surface Options	Foil-faced / Plain OSB
Moisture Resistance	EN 300 OSB/3 (suitable for humid environments)
Load-Bearing Capacity Exceeds	1.5 kN point load, suitable for domestic use only
Bending Strength (longitudinal direction)	20 N/mm ²
Bending Strength (transverse direction)	10 N/mm ²
Modulus of Elasticity (longitudinal direction)	4800 N/mm ²
Modulus of Elasticity (transverse direction)	1900 N/mm ²
Installation Pattern	Brick bond with stack joints
Overlay Panel Requirement	6mm Tekwarm HDF Overlay Panel

INSTALLATION GUIDELINES

Subfloor Preparation

Ensure the subfloor is level, dry, and clean before installation. Check joist spacing to ensure adequate support for board edges.

BOARD INSTALLATION

1. Arrange boards in a brick bond pattern, ensuring stack joints for adjacent rows.
2. Glue all board joints with a suitable wood adhesive to enhance structural integrity.
3. Secure the boards using mechanical fixings if required (refer to project structural requirements).
4. Ensure all board edges are supported by joists to prevent deflection.
5. Install 16mm UFH pipes into the routed channels, ensuring they are fully seated.

OVERLAY INSTALLATION

Our 6mm Tekwarm HDF Overlay Panel must be installed over the routed OSB to distribute loads evenly and protect pipework.

The panel is designed for quick and easy installation, featuring printed pipe channels and marked screw positions. Simply align with the pipes on the Tekwarm OSB 22 panel and secure in place

PERFORMANCE & BENEFITS

- **Domestic Application Only** - Engineered to exceed 1.5 kN point load requirements under British Standards.
- **Moisture Resistant** - Manufactured to EN 300 OSB/3 standards.
- **Optimised for UFH** - Pre-routed for 16mm pipes with secure positioning.
- **Dimensionally Stable** - Minimal movement, ensuring long-term durability.
- **Versatile Finish Compatibility** - Supports various floor finishes when overlaid.
- **Foil-Faced Option** - Enhances heat distribution for improved UFH efficiency.

STORAGE & HANDLING

- Store flat and off the ground in a dry, ventilated area.
- Protect from excess moisture before installation.
- Handle with care to prevent damage to routed channels.

APPLICATION AREAS

- Domestic Underfloor Heating Systems
- Timber & Floating Floor Constructions
- Retrofit & New Build Projects

Not suitable for commercial or industrial applications due to higher loading requirements.