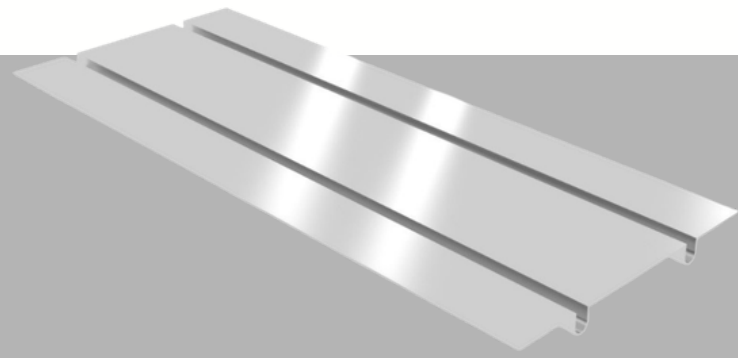




TEKGROUP



# Tekwarm Aluminium Diffusion Plate

## Aluminium heat transfer plate for Tekwarm underfloor heating systems

Tekwarm Aluminium Diffusion Plates are designed to improve heat distribution from underfloor heating pipework in dry fit floor constructions.

The plate transfers heat from the UFH pipe across the floor area, helping to provide a more even heat spread beneath the final floor build up.

### Suitable For

Tekwarm UFH dry fit systems using 16 mm UFH pipework. Suitable for use where aluminium heat transfer plates are required to spread heat across the floor construction.

Designed for dry floor build ups and timber floor applications where the plate can be correctly supported and installed in accordance with the UFH design.

### Storage

Store plates flat in their original packaging. Keep dry and protected from site damage. Do not expose to standing water or prolonged weathering. Avoid bending, denting or distorting the plates before installation. Do not use damaged plates.



Product	Pipe Diameter	Groove Type	Product Dimensions	Pipe Centres	Weight
Tekwarm Aluminium Diffusion Plate	16 mm	Double groove	390 x 1000 x 0.45 mm	200 mm	0.68 kg

### How to Use

Select the correct plate layout in accordance with the UFH pipe design and required pipe centres.

Ensure the floor construction is clean, dry, stable and suitable to receive the aluminium plates.

Position the plates so the pipe grooves follow the designed UFH pipe runs.

Install the plates with the grooves aligned to achieve 200 mm pipe centres.

Ensure each plate is fully supported and sits flat against the receiving floor layer.

Press the 16 mm UFH pipe fully into the grooves, making sure the pipe is securely seated.

Avoid sharp bends, kinks or forcing the pipe into the plate. Leave suitable gaps where pipe turns, manifold connections or perimeter details are required.

Check all pipework remains correctly positioned before installing the final floor deck or covering layer. The UFH pipework should be pressure tested before the floor is closed.

### Installation Notes

- Plates should be installed in accordance with the Tekwarm UFH design and project specification.
- Good contact between the plate, pipe and floor build up is important for heat transfer.
- Do not install plates over loose, uneven, contaminated or unstable surfaces.
- Do not walk directly on unsupported plates where this may cause bending or deformation.
- Plates should not be cut, bent or altered unless required by the system layout and approved by the installer.
- The finished floor build up must be suitable for use with underfloor heating.
- Final system output remains the responsibility of the UFH system designer.

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