

GripGrid™



GripGrid™ System

Tio GripGrid™ uses a hook and loop fastening system to firmly secure pipework to most surfaces.

Tiny hooks on the pipe’s coiled tape strip catch onto the soft flexible loops of the self-adhesive Tio GripGrid™ sheet.

When the two strips are pressed together, the hooks grab the loops and create a secure bond.

When pulled apart, the hooks release from the loops, allowing for easy reconfiguration of pipe layouts.

As the pipe can be fixed to any part of the GripGrid™ sheet, intricate and bespoke pipe layouts and transit run can be easily achieved.

Advantages

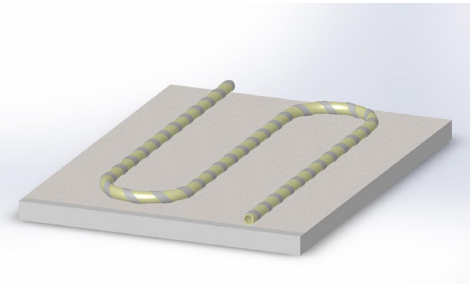
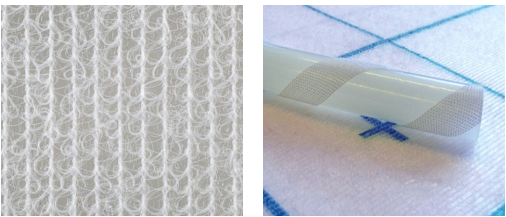
Speed: Pipes are placed and fixed in a single operation.

Installation: No specialist equipment or extra material needed.

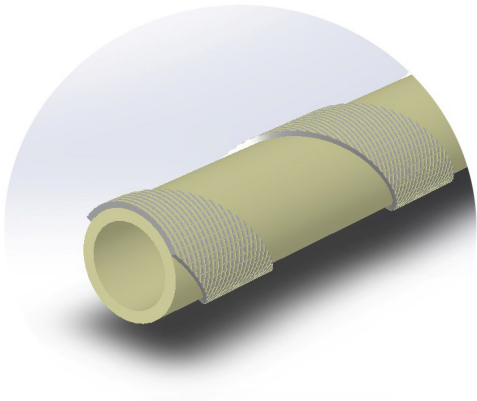
Efficiency: High mechanical performance. Pipes can be repositioned if misplaced.

Reliable: No damage to flooring as you may find when using other systems.

Excellent shear strength and low profile closure make this an ideal option in residential settings.



GripGrid™ Pipe



Pipe Physical Properties

Dimensions	16 x 2.0mm
Coil length	100m / 240m
Material	5 layer PE-RT Type 2 with EVOH Barrier
Fixing strip	Polypropylene micro-hook self adhesive tape
Density	> 0.941 g/m³
Working temperature range	From -20°C to 70°C
Maximum temperature	110°C
Thermal conductivity (60°C)	0.4 W/m-K
Thermal expansion rate	1.8. 10–4/K
Oxidation Induction Time (OIT)	>40 minutes

Tio PE-RT EVOH pipe can be easily bent and curved in cold without special tooling, saving unions and installation time. Layers are very resistant to calcium, dirt and substances derived from galvanic corrosion.

It weighs 7 times less than copper and 13 times less than iron on equivalent diameters. It does not modify the organoleptic characteristics of water and the corrosion absence avoid proliferation of bacteria. Providing energy savings by reducing heat loss. Much lower roughness than metallic pipes reducing energetic consumption and allowing a higher flow with the same internal pipe diameter. Recovering the original shape when hot air is applied allowing it to be repaired.

All embedded pipework should be tested in accordance with BSEN 1264–4 prior to the installation of screeds and/or overlay floorings materials.

Life expectancy of 100 years when used in Underfloor applications designed and installed to BS1264.

Manufactured to EN ISO 22391

GripGrid™ Base Sheet

Roll Size : 700mm x 20m (14m2)

Sheet Thickness : <0.8mm

Weight: Approx. 280 g/m²

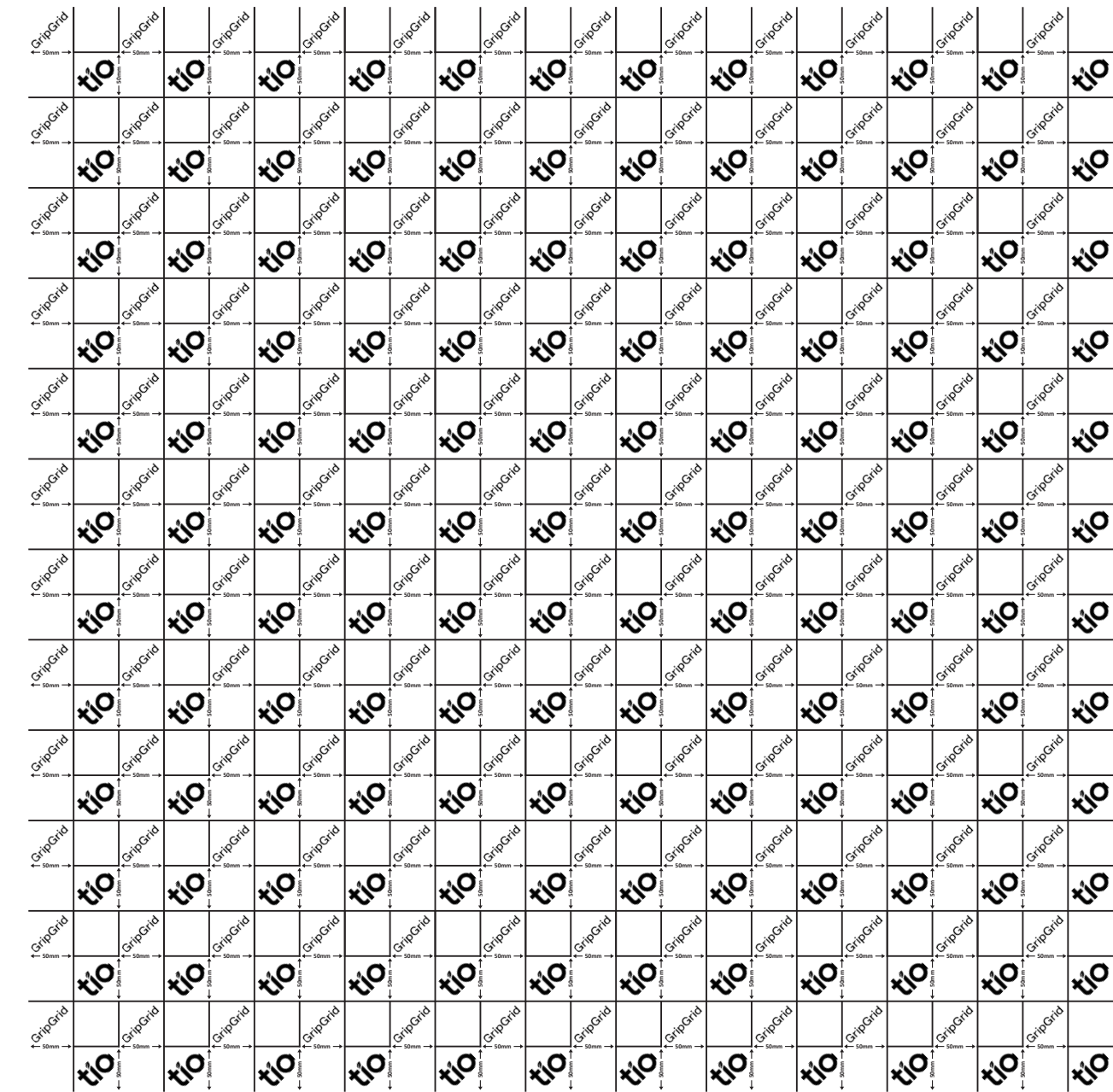
Base Material : High-Density 100% Polyester Yarn

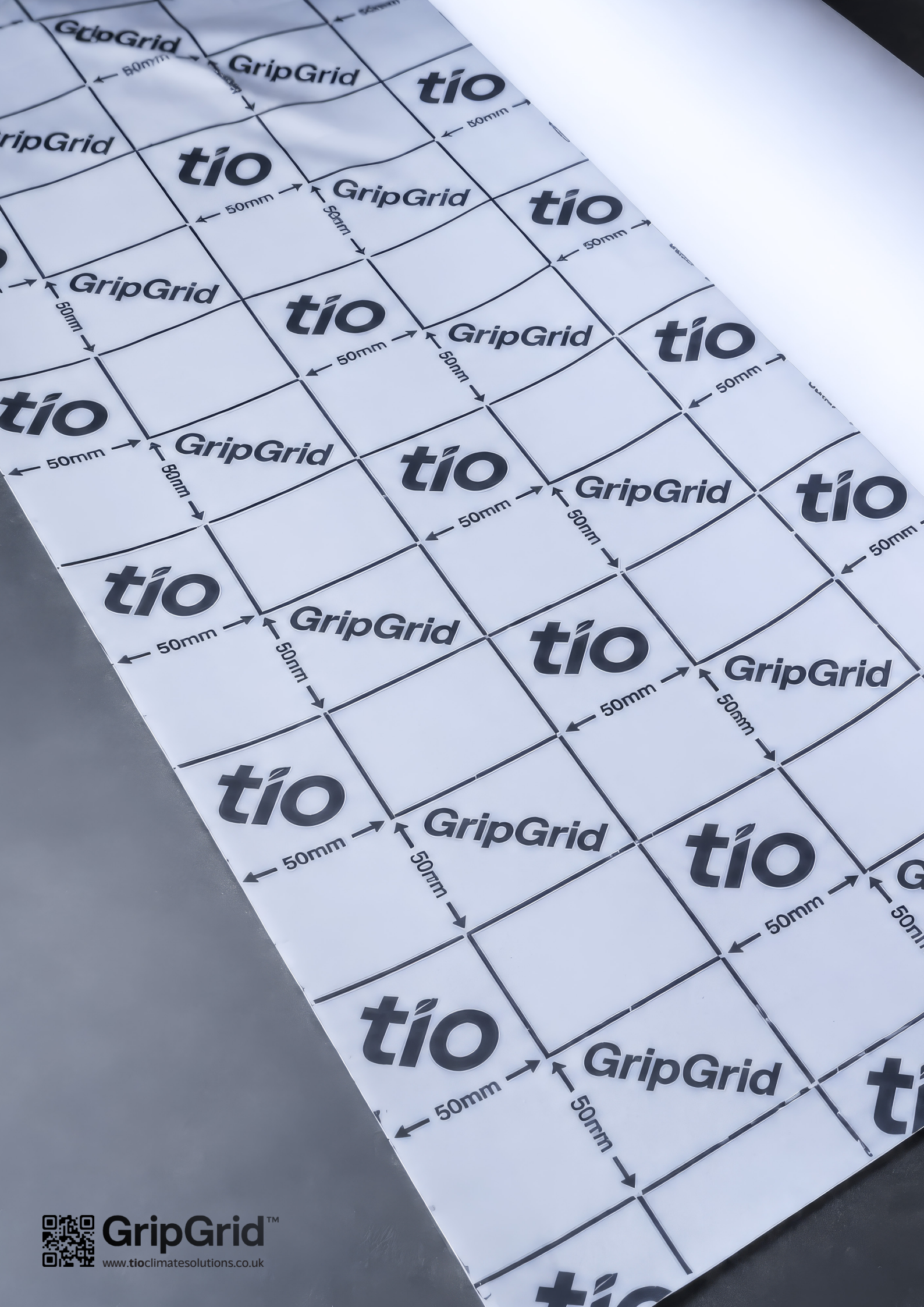
Adhesive Type: High-Performance Water-Based Acrylic Adhesive

Backing: Heavy-duty Release Paper

Substrates must be clean, free from oil, grease, dust and friable material. Some surfaces such as concrete and floor screeds may require sealing/priming to achieve a bond.

Ambient substrate temperatures should be above 10°C for adhesive to achieve a bond. After removing the release paper, align and apply in one go, then press firmly with a hard object (or roller) to ensure full contact. Although adhesive is permanent, it can be carefully removed on suitable substrates, but adhesive residue may occur.





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