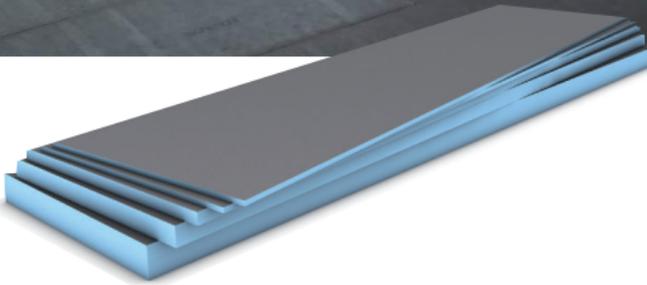




wedi building board



The ultimate tile backer solution



NBS Plus



Member of
The Tile Association



0799 (System 2+)



Your guide to wedi tile backer boards

The wedi building board consists of a blue core made from extruded polystyrene rigid foam that is reinforced with glass fibre (with alkali-resistant finish) on both sides and coated with a polymer-modified cement providing a smooth surface for plastering or laying tiles, slabs and natural stone coverings using the thin-bed mortar method.



It does not only provide protection against mould and fungus and fantastic insulation, but thanks to being 100% waterproof to the core and inert, it also offers sealing and decoupling at the same time, thus saving time, stress and money.

WHY CHOOSE WEDI?

- 
100% waterproof
- 
Protects against mould & fungus
- 
Thermally insulating
- 
Lightweight
No need for laborious lifting
- 
Seal and bond in one step
- 
Vertical load capability: 120kg
- 
Ready to tile
NO priming necessary
- 
Safe to handle & cut
NO PPE needed
- 
Technical support is only a phonecall away
- 
Installation advantages save time & money





Eco friendly
non-hazardous and low-emission

EASILY CUT WITHOUT THE NEED FOR PROTECTIVE GEAR



Customisable
without the loss of guarantee



LIGHTWEIGHT AND ROBUST AT THE SAME TIME



Wheelchair
accessible



Build with
confidence
4 - 100mm thickness

A SIMPLE TIME-SAVING ALTERNATIVE TO TRADITIONAL PARTITION WALLS

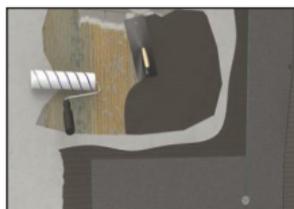
wedi partition solutions offer fewer work steps (construct & seal in 1 step) and less material to carry (from only 14kg) resulting in significantly shorter processing time (from only 30mins) and reduced labour thus a safer installation that is ready to tile in just 24 hours!



SOLID WALL SURFACES

COMPLETELY FLAT, TRUE & LOAD-BEARING

1. The substructure must be clean of any mortar residue/dirt and primed with a suitable primer before laying the wedi boards. Newly created substructures must be adequately dried to ensure that the shrinkage process is completed before the wedi building board is fitted.
2. Bond **6mm wedi building board** to the surface using a thin bed flexible cement-based tile adhesive at a minimum thickness of 4-6mm, applied with a notched trowel over the entire surface.
3. In wet areas, whilst bonding the board to the surface, apply a bead of **wedi 610 Adhesive Sealant** to the joints prior to the next board being installed. 24 hours curing time applies.
4. Apply **wedi self-adhesive Joint Reinforcement Tape** to all building board joints then once the adhesive bed hardened, tiling or plastering can commence.



LAYERED, PARTIALLY/NON LOAD-BEARING

1. The substructure must be clean of any mortar residue/dirt and primed with a suitable primer before laying the wedi boards. *Any unevenness must be eliminated using a levelling filler.*
2. Bond **6mm wedi building board** to the surface using a thin bed flexible cement-based tile adhesive at a minimum thickness of 4-6mm, applied with a notched trowel over the entire surface.
3. In wet areas, whilst bonding the board to the surface, apply a bead of **wedi 610 Adhesive Sealant** to the joints prior to the next board being installed. 24 hours curing time applies.
4. Fix with **wedi Metal Dowels** at a fixing ratio of 8/m² for natural stone/large format tiles and min 5/m² for ceramic tiles. *Minimum dowel penetration depth into the substrate is 35mm.*
5. Apply **wedi self-adhesive Joint Reinforcement Tape** to all building board joints then once the adhesive bed hardened, tiling or plastering can commence.



Joint sealing of wedi boards joining non-wedi surfaces:

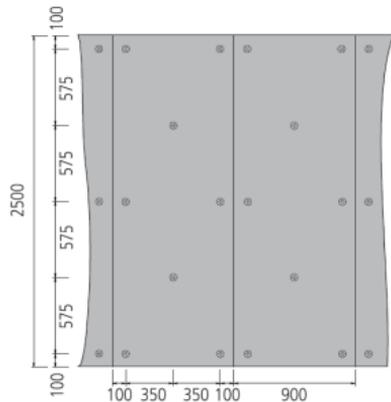
A: **wedi Fundo Sealing Set** approx 8-10 linear metres

B: **wedi 520 Waterproof Membrane** + **wedi Sealing Tape**
After 24 hours curing time tiling can commence.

SOLID WALL SURFACES

UNEVEN SURFACES

- For this application, **20mm wedi building board** is required. Referring to the diagrams below, use a screwdriver to punch holes then apply dabs of thin-bed mortar (universal tile adhesive) in line with the hole markings.
- Place the building board against the wall, tap it lightly with a rubber mallet and line it up.
- In wet areas, apply a bead of **wedi 610 Adhesive Sealant** to the joints prior to the next board being lined. 24 hours curing time applies.
- Allow the dabs to dry then drill holes in the wall through the board and dabs of mortar with an 8mm drill bit. *Minimum dowel penetration depth into the substrate is 35mm.*
- Insert **wedi Metal Dowels** through the pre-drilled holes and dabs of mortar. Wait until the mortar hardens - then hammer the dowels in totally.
- Apply **wedi self-adhesive Joint Reinforcement Tape** to all building board joints then tiling can commence.

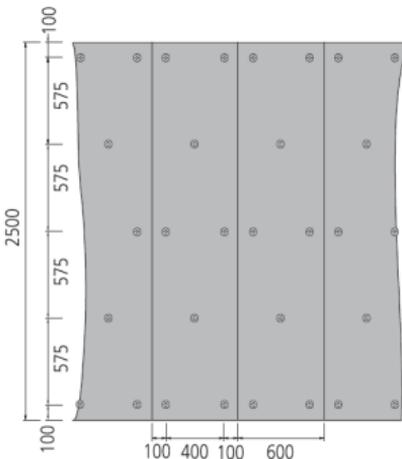


↑ **12500 x 900 x 20mm**

wedi building board sizes

↓ **2600 x 1200 x 20mm**

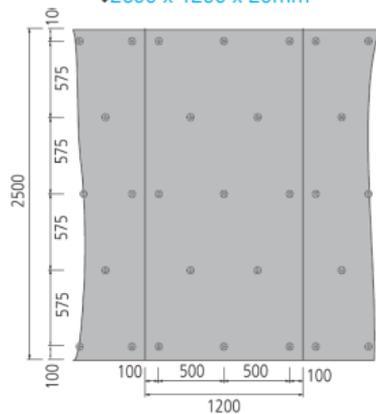
FIXING GUIDELINES (ceramic tiles)



↑ wedi building board sizes:

2500 x 600 x 6mm

2500 x 600 x 20mm



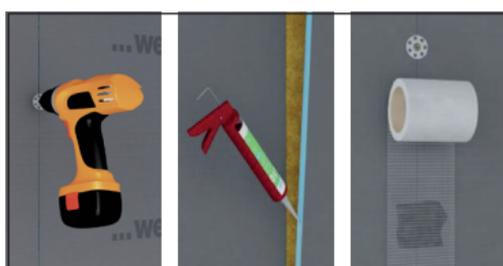
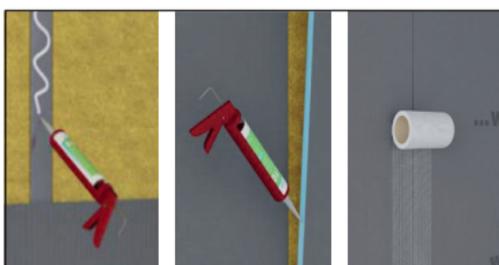
In wet areas, all penetrations must also be sealed with wedi 610 Adhesive Sealant.

After 24 hours curing time tiling can commence.

STUD FRAMES

DIRECT BOND WITH WEDI 610

1. Ensure that the framework system is structurally sound and perfectly perpendicular and flush and *does not exceed a maximum stud distance of 600mm*.
2. Bond **wedi building boards** to the framework using bead of **wedi 610 Adhesive Sealant** over the entire framework surface (i.e. all vertical studs and horizontal noggins).
3. In wet areas, whilst bonding the board to the surface, apply a bead of wedi 610 Adhesive Sealant to the joints prior to the next board being installed.
4. After 24 hours drying time, apply **wedi self-adhesive Joint Reinforcement Tape** to all building board joints then tiling can commence.



SCREW-WASHER FIX

1. Ensure that the framework system is structurally sound and perfectly perpendicular and flush and *does not exceed a maximum stud distance of 600mm*.
2. Fix **wedi building boards** to the framework using proprietary **wedi Washers** and no.8 gauge countersunk screws - at a fixing ratio of 8/m² for natural stone/large format tiles and min 5/m² for ceramic tiles.
3. In wet areas, whilst bonding the board to the surface, apply a bead of **wedi 610 Adhesive Sealant** to the joints prior to the next board being installed. 24 hours curing time applies.
4. Apply **wedi self-adhesive Joint Reinforcement Tape** to all building board joints then tiling can commence.



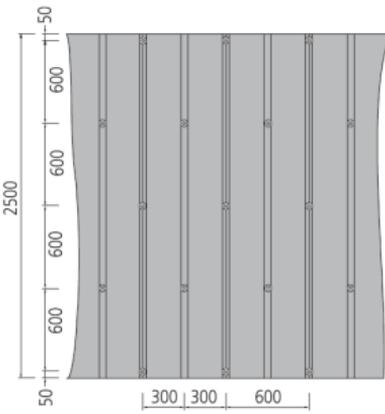
Joint sealing of wedi boards joining non-wedi surfaces:

- A: **wedi Fundo Sealing Set** approx 8-10 linear metres
 B: **wedi 520 Waterproof Membrane** + **wedi Sealing Tape**
 After 24 hours curing time tiling can commence.

STUD FRAMES

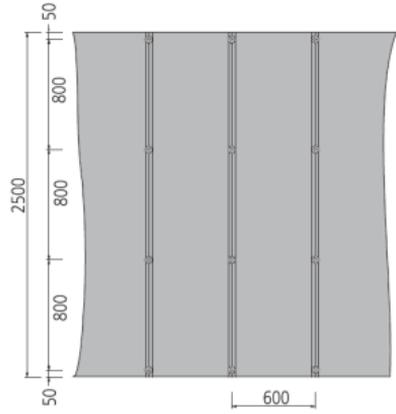
wedi BOARD THICKNESS	MAX. UNSUPPORTED SPAN
10mm <i>Available size: 2500 x 600mm</i>	300mm
12.5mm <i>Available sizes: 2500 x 625mm, 2500 x 900mm, 2600 x 1200mm</i>	400mm
20mm <i>Available sizes: 2500 x 600mm, 2500 x 900mm, 2500 x 1200mm</i>	600mm

GUIDELINES FOR SCREW-WASHER FIX (ceramic tiles)

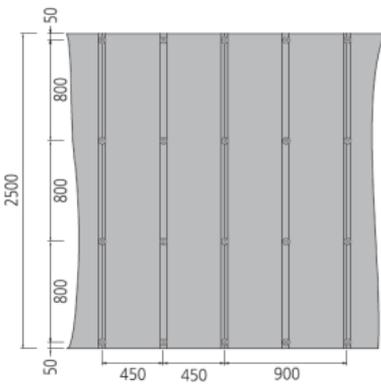


stud distance: 300mm
2500 x 600 x 10mm

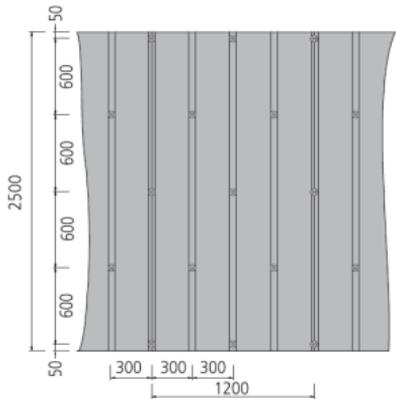
(12.5mm or 20mm can also be used here)



stud distance: 600mm
2500 x 600 x 20mm



stud distance: 450mm
2500 x 900 x 20mm



stud distance: 300mm
2600 x 1200 x 12.5mm
(20mm can also be used here)



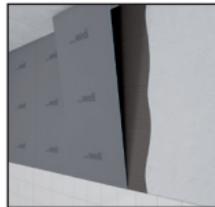
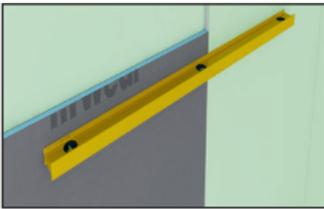
In wet areas, all penetrations must also be sealed with wedi 610 Adhesive Sealant.
After 24 hours curing time tiling can commence.

TRANSITIONS

wedi building boards offer a simple solution to common dilemmas in renovations: they can be used as levelling under mosaic tiles and also be mounted flush with old tiling or existing plasterboards creating a precise transition thus a neat, even surface for tiling.

TRANSITIONS TO PLASTERBOARDS

1. After cleaning the wall, align the **12.5mm wedi building board** flush up to the plasterboard using a spirit level. Fix the aligned building boards using **wedi Washers** and no.8 gauge countersunk screws - at a fixing ratio of 8/m² for natural stone/large format tiles and min 5/m² for ceramic tiles.
2. Whilst fixing the board to the surface, apply a bead of **wedi 610 Adhesive Sealant** to the joints prior to the next board being installed and penetrations must also be sealed. 24 hours curing time applies.
3. Apply **wedi self-adhesive Joint Reinforcement Tape** to all building board joints then tiling or plastering can commence.



LEVELLING TO EXISTING TILES

1. After cleaning the wall, simply line up and install the **6mm wedi building board** fully embedded in flexible cement based tile adhesive.
2. In wet areas, whilst bonding the board to the surface, apply a bead of **wedi 610 Adhesive Sealant** to the joints prior to the next board being installed. 24 hours curing time applies.
3. Apply **wedi self-adhesive Joint Reinforcement Tape** to all building board joints then once the adhesive bed hardened, tiling or plastering can commence.



Joint sealing of wedi boards joining non-wedi surfaces:

A: **wedi Fundo Sealing Set** approx 8-10 linear metres

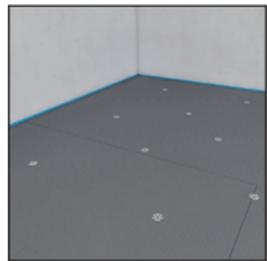
B: **wedi 520 Waterproof Membrane + wedi Sealing Tape**
After 24 hours curing time tiling can commence.

PRODUCT NAME	DESCRIPTION	ORDER NUMBER
wedi building board	1250 x 600 x 4mm	01-00-00/004
wedi building board	2500 x 600 x 4mm	01-02-50/004
wedi building board	1250 x 600 x 6mm	01-00-00/006
wedi building board	2500 x 600 x 6mm	01-02-50/006
wedi building board	2500 x 600 x 10mm	01-00-00/010
wedi building board	2500 x 625 x 12.5mm	01-00-00/012
wedi building board	2500 x 900 x 12.5mm	01-00-00/912
wedi building board	2600 x 1200 x 12.5mm	01-00-01/612
wedi building board	2500 x 600 x 20mm	01-00-00/020
wedi building board	2500 x 900 x 20mm	01-00-00/920
wedi building board	2500 x 1200 x 20mm	01-00-01/220
Other formats i.e. 30mm, 40mm, 50mm, 60mm, 80mm, 100mm are also available.		
wedi Washers, galvanised, 35mm	bag of 10pcs	09-48-62/106
wedi Washers, galvanised, 35mm	box of 100pcs	09-48-60/106
wedi Metal Dowels, galvanised, 80mm	bag of 10pcs	09-49-23/108
wedi Metal Dowels, galvanised, 80mm	box of 100pcs	09-49-20/108
wedi Metal Dowels, galvanised, 110mm	bag of 10pcs	09-49-22/111
wedi Metal Dowels, galvanised, 110mm	box of 100pcs	09-49-20/111
wedi self-adhesive Joint Reinforcement Tape	25m x 125mm roll	09-52-25/053
wedi self-adhesive Joint Reinforcement Matting	50m x 600mm roll	09-52-15/052
wedi Joint Reinforcement Matting	50m x 600mm roll	09-52-10/052
wedi 320 Tile Adhesive	25kg bag	11-00-25/320
wedi 610 Adhesive Sealant	310ml tube	07-69-02/002
Fundo Sealing Set	1 bucket - wedi 520, Sealing tape 10m, 2 sealing corners	07-37-38/172
wedi 520 Waterproof Membrane	20kg bag + 10l drum	11-00-00/520 + 11-00-01/520
wedi Sealing Tape	50m x 120mm roll	09-51-10/352
Sealing corner, external	fleece laminated	09-51-35/001
Sealing corner, internal	fleece laminated	09-51-30/001
Sealing gaiter, 1/2" - 3/4" feed-throughs	120 x 120mm	09-51-20/050
Sealing gaiter, DN40-DN75	150 x 150mm	09-51-10/361
Sealing gaiter, DN90-DN 125	250 x 250mm, Ø 135	09-51-10/362

FLOOR APPLICATIONS

SOLID SURFACES

1. The substructure must be completely flat and true, clean of any mortar residue/dirt and primed with a suitable primer before laying the wedi building boards. *Any unevenness must be eliminated using levelling filler.* Newly created substructures must be adequately dried to ensure that the shrinkage process is completed before the wedi building board is fitted.
2. Bond **4mm wedi building board** to the surface using a thin bed flexible cement-based tile adhesive at a minimum thickness of 4-6mm, applied with a notched trowel over the entire surface. *Boards must be laid in a staggered formation.*
3. In wet areas, whilst bonding the board to the surface, apply a bead of **wedi 610 Adhesive Sealant** to the joints prior to the next board being installed. 24 hours curing time applies.
4. Apply **wedi self-adhesive Joint Reinforcement Tape** to all building board joints then once the adhesive bed hardened tiling or plastering can commence.



WOODEN STRUCTURES

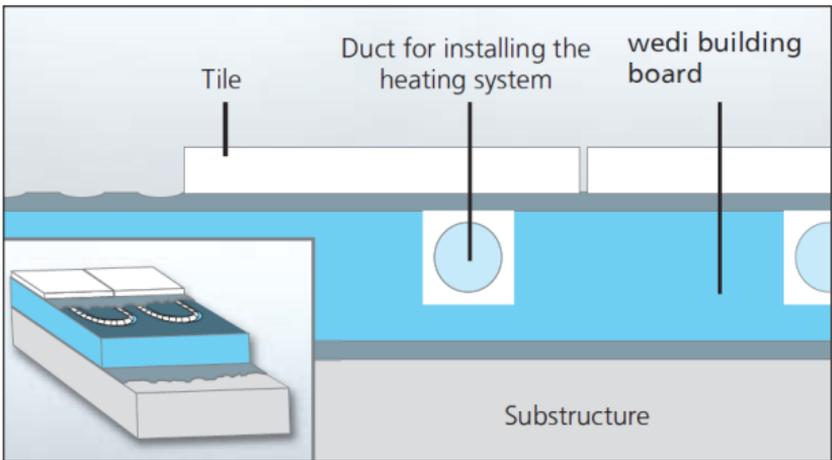
1. Ensure that the substructure is rigid (not vibrating or sprung), dry, free of dirt and damaging infestation, able to withstand the load and primed with a suitable primer. *Any unevenness must be eliminated using levelling filler.*
2. Bond **4mm wedi building board** to the surface using a thin bed flexible cement-based tile adhesive at a minimum thickness of 4-6mm, applied with a notched trowel over the entire surface. *Boards must be laid in a staggered formation.*
3. In wet areas, whilst bonding the board to the surface, apply a bead of **wedi 610 Adhesive Sealant** to the joints prior to the next board being installed. 24 hours curing time applies.
4. Once the adhesives hardened, secure the building boards with **wedi Washers** and no.8 gauge countersunk screws at a minimum fixing ratio of 5/m² for ceramic and 8/m² for large format tiles and stone.
5. In wet areas, penetrations must also be sealed with wedi 610 Adhesive Sealant. 24 hours curing time applies.
6. Apply **wedi self-adhesive Joint Reinforcement Tape** to all building board joints then once the adhesive bed hardened tiling or plastering can commence.

UNDERFLOOR HEATING

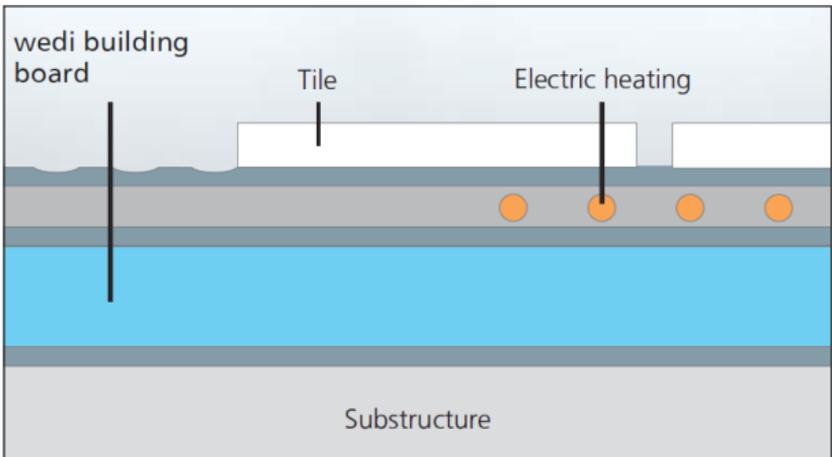
Thanks to their excellent insulating properties, wedi building boards reduce heat loss in bathrooms and improve the underfloor heating systems response time by at least 70% making the entire install cost effective for years to come!

Thermal Properties W/m ² K			
0.19	0.17	0.12	0.036
Cement board	Plasterboard	Ply	wedi®

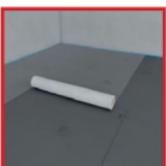
The lower the U-value of an element of a building's fabric, the more slowly heat is able to transmit through it - resulting in better insulation performance.



For hot-water systems ducts can be cut into the wedi boards quickly and easily. A minimum building board thickness of 10mm is recommended (leaving at least 3mm of the core material under the grooves) to optimise insulation values and keep its water-proof integrity.



Electrical underfloor heating systems are easy to mount on the building board and downward heat loss is prevented, making the heating system noticeably more efficient.



For areas over 20m² and when wedi boards are used beneath underfloor heating systems the whole surface must be reinforced.

THE WEDI® PRINCIPLE OF CUSTOMISED DESIGN

wedi tile backer boards are named '*building boards*' for their versatility in being commonly used for the construction of tailor-made solutions – whether a washstand, partition wall, storage, shelving or a complete bathroom, almost any idea can be realised with the standard or flexible structural panels from wedi.

FITS LIKE A GLOVE

Prefabricated wedi cladding elements are robust, load-bearing, straightforward and easily adapted to any requirement.

wedi Bathboard
Bath cladding panels with adjustable feet



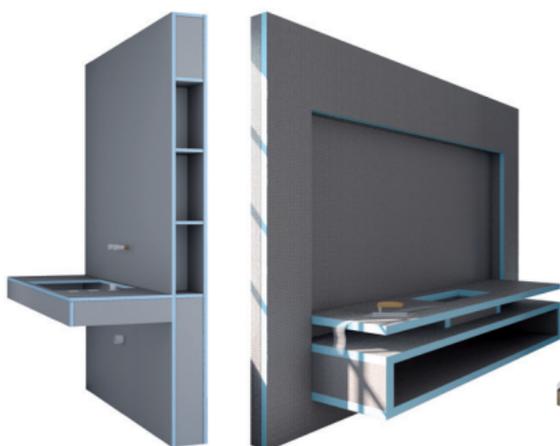
wedi IBoard
WC cladding set



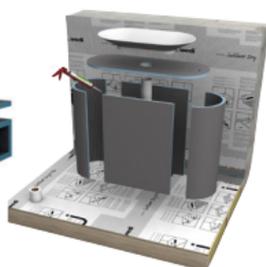
wedi Mensolo L & U
Cladding, shelving or both

BUILD WITH CONFIDENCE

Wide range of design opportunities will give the bathroom a personal touch.



wedi building boards 30mm, 40mm, 50mm
Versatile and load bearing - the only limit is the imagination



wedi Construct board
Flexible - sets in any desired radii



wedi Systems (UK) Ltd.
Unit 4, Mercury Park
Mercury Way, Trafford Park
Manchester, M41 7LY



0161 864 2336



sales@wedi.co.uk
technical@wedi.co.uk