



waterproof insulation
board

BENEFITS:

- ✓ Fully waterproof
- ✓ Heat insulating
- ✓ Holds hanging weight up to 60kg
- ✓ Light weight, easy to fix
- ✓ For walls and floors

SUITABLE FOR:

- ✓ Waterproofing wet rooms and showers
- ✓ All types of tiles
- ✓ Use with underfloor heating as a de-coupling and thermal insulation layer

ORBRY BOARD SIZE, PACKAGING & WEIGHT

PACKAGING	BOARD SIZE	WEIGHT (KG)	PER BOX
OB12-06	1220 X 600 X 6mm	1.90	20
OB12-10	1220 x 600 x 10mm	1.93	10
OB12-12	1220 x 600 x 12.5mm	1.99	10
OB12-20	1220 x 600 x 20mm	2.15	10
OB12-50	1220 x 500 x 50mm	2.93	5
OB24-10	2440 x 600 x 10mm	3.85	10
OB24-12	2440 x 600 x 12mm	3.98	10
OB24-20	2440 x 200 x 20mm	4.30	10
OB24-50	2440 x 600 x 50mm	5.85	5

FOAM PROPERTIES	TEST	RATING
Extruded polystyrene foam density		35kg/m ³
Thermal conductance	UNI EN 12667:2002	0.758 + 0.014/ -0.010 w/ (m ² .K)
Thermal resistance	UNI EN 12667:2002	1.32 + 0.02/ -0.025 m ² . K/W
Thermal conductivity	UNI EN 12667:2002	0.0376 +/- 0.0005 W/(m.K)



FIXING ORBRY BOARDS: STUD WALLS

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Orbry™ Boards are ideal for fixing to stud walls.

1. Fix vertical studs at 600mm centres for 20mm or thicker Orbry™ Board, or 300mm centres for 12.5mm and 10mm thick boards.
2. Make sure all board edges are supported with noggins. (see Fig.1).
3. If boards are being used in wet areas, fix with Orbry™ Stainless Steel Screws. (see chart at end for spacing requirements).
4. Always use Orbry™ Backer Board Washers (see Fig.2).
5. When fixing to dry areas, apply Orbry™ Self Adhesive Scrim Tape to all horizontal and vertical joints using a thin layer of cement-based tile adhesive and a float trowel (see Fig.3).

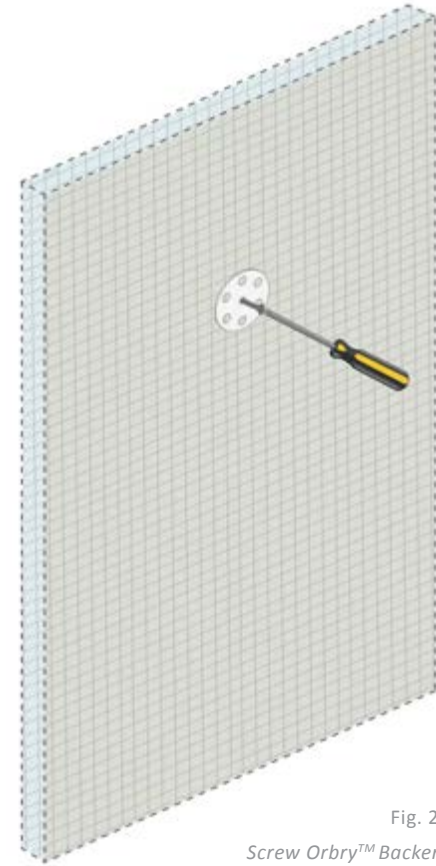


Fig. 2
Screw Orbry™ Backer Board Washers into board.

WATERPROOFING JOINTS FOR WET AREAS

All Orbry™ Boards are fully waterproof and can be used to create a waterproof system, so they are excellent for wet rooms and showers. When waterproofing a wet area, it is important to waterproof all joints.

Tape all joints using one of the following waterproof tape systems:

1. For speed of application, use Orbry™ Self Adhesive Waterproof Tape, available in 10m rolls.
2. Orbry™ Waterproof Tape, available in 5m and 10m rolls, and Orbry™ Waterproof Corners fixed with Orbry™ Waterproof Sealing Compound.

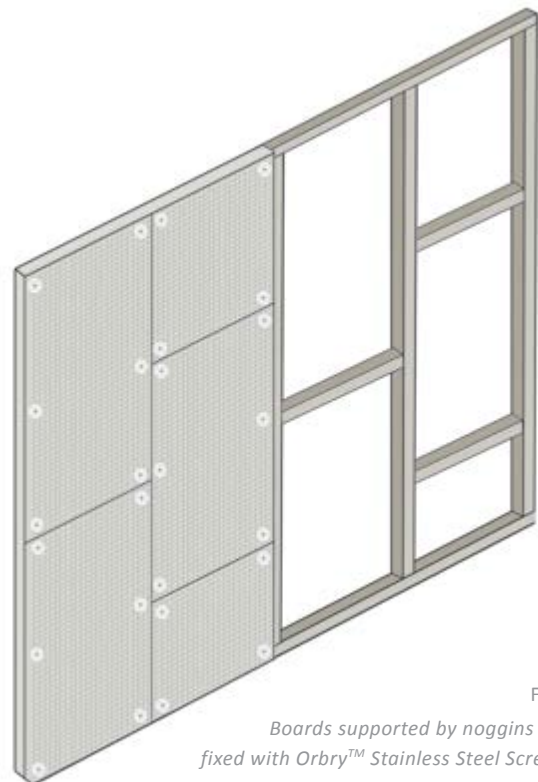


Fig.1
Boards supported by noggins and fixed with Orbry™ Stainless Steel Screws.

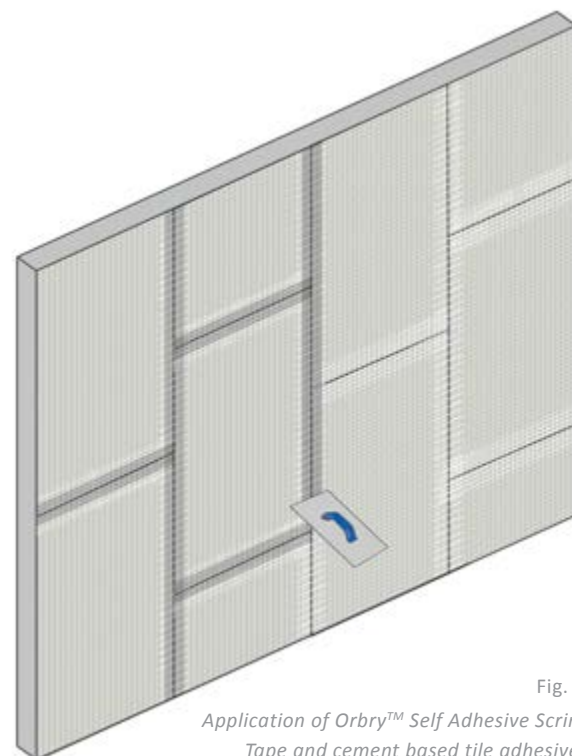


Fig. 3
Application of Orbry™ Self Adhesive Scrim Tape and cement based tile adhesive.

TILING

Orbry™ Boards are the ideal surface to tile on. They bond with all proprietary tile adhesives, so all you need to do is choose the correct adhesive for fixing the ceramic or natural stone tiles. If in doubt seek further advice from the tile adhesive and grout manufacturer.

Don't forget that for a wet area installation you need to achieve a solid bed of adhesive, ensuring no voids are left beneath the tiles.

The maximum combined weight of tiles, adhesive and grout that the boards can hold is 60kg per square metre, (fixed to the wall) which is more than enough for all tile and stone finishes.

PLASTERING AND PAINTING

Follow the plaster manufacturers' recommendations for priming a cement-based surface and apply a skim coat. Once completely dry the plaster can be decorated.

CUTTING AND HANDLING

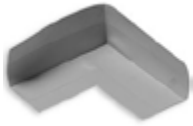
Orbry™ Boards can be cut easily with a utility knife. Even the largest boards weigh less than 10kg and can be handled and fixed by one person. The cut edge of a board can be rough, so suitable gloves should be worn.

SCREW SIZES AND SPACINGS FOR FIXING ORBRY™ BOARDS TO STUD WALLS

BOARD THICKNESS	BOARD SIZE	BOARD CODE	STUD CENTRES	FIXINGS/WASHERS PER BOARD	Orbry 37mm Stainless Steel Screws and Orbry Washers	Orbry 50mm Stainless Steel Screws and Orbry Washers	Orbry 70mm Stainless Steel Screws and Orbry Washers
10mm	1200 x 600mm	OB12---10	300mm	15	✓		
10mm	2440 x 600mm	OB24---10	300mm	27	✓		
12.5mm	1200 x 600mm	OB12---12	300mm	15	✓		
12.5mm	2440 x 600mm	OB24---12	300mm	27	✓		
20mm	1200 x 600mm	OB12---20	600mm	6		✓	
20mm	2440 x 600mm	OB24---20	600mm	10		✓	
50mm	1200 x 600mm	OB12---50	600mm	6			✓
50mm	2440 x 600mm	OB24---50	600mm	10			✓

PARTS REQUIRED

ORBRY™ WATERPROOF
INTERNAL & EXTERNAL
CORNER



ORBRY™
WATERPROOF TAPE



+

ORBRY™ WATERPROOF
SEALING COMPOUND



SILICONE SEALANT



ORBRY™ SELF ADHESIVE
SCRIM TAPE



ORBRY™ BACKER
BOARD WASHERS



ORBRY™ STAINLESS
STEEL SCREWS



ORBRY™ SELF ADHESIVE
WATERPROOF TAPE



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