



Orbry Spanker Fixing Dowels for fixing Orbry Boards and High Performance Insulation to brick, block and concrete.

Orbry Spanker Fixing Dowels are ideal for fixing Orbry Board, damp proof membranes or other high performance insulation systems or lining boards to brick, block or concrete walls. The specially designed dowel is inserted into a pre-drilled hole and when the pin is hammered home the base of the dowel expands. The expansion grips the substrate to provide excellent anchorage, even in a poor quality base material.

Boards no thinner than 10mm should be fitted using this method.

The all-plastic construction is corrosion proof and the head of the Orbry Spanker is designed to provide the best adhesion for adhesives, renders and plaster.

Instructions for fitting non-load bearing insulation and boards to walls:

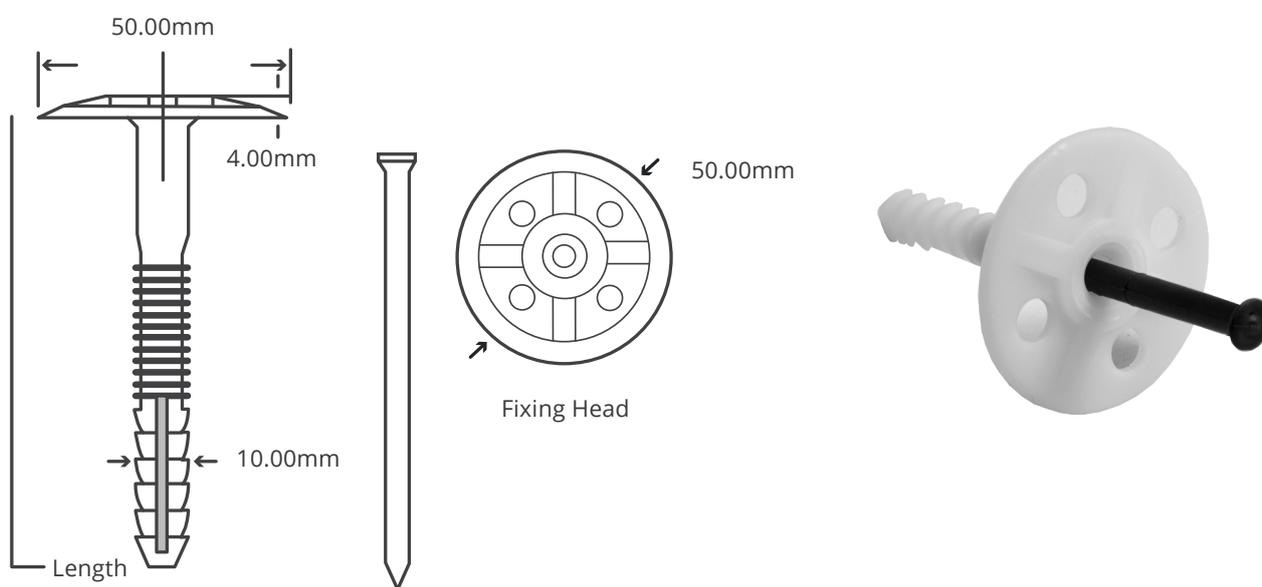
1. Select the appropriate Spanker (see table on following page)
2. Place board or membrane to be fitted against wall.
3. Using a 10mm drill bit, drill through the board and substrate to the required length.
4. Place Orbry Spanker in hole and hammer in to required depth.
5. Insert the pin into the lug and hammer home.



All materials used for the fixing body and expansion pin are fully resistant to corrosion.

Orbry Spanker Fixing Dowels - Technical Data

FIXING LENGTH	HEAD DIAMETER	INSULATION THICKNESS	MIN. EMBEDMENT DEPTH	DRILL DIAMETER
60mm	50mm	10 to 20mm	30mm	10mm
90mm	50mm	10 to 50mm	30mm	10mm
110mm	50mm	30 to 70mm	30mm	10mm
130mm	50mm	50 to 90mm	30mm	10mm



Pull Out Performance for various base materials:

Concrete	Brick	Block	Hollow Block
0.80Kn	0.75Kn	0.70Kn	0.45Kn

Shear Loading

Maximum recommended shear load per fixing is 0.15Kn

Application Temperature
in the range -30C to +90C