











Innovative steel-cored expansion plug for robust fixing into drylined walls.

Fixing to drylined walls has long been problematic. Corefix provides a reliable solution for fixing heavy items to plasterboard supported on battens or dot and dab, or similar substrates.

In drylined wall construction the plasterboard is selectively supported, resulting in a void behind the majority of the plasterboard.

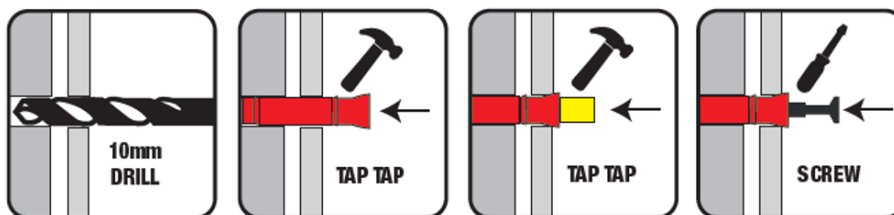
A conventional expansion plug and screw or frame fixing will typically impart a compressive point load which can deflect or crush the plasterboard into the void. Corefix prevents this issue by transferring the load directly to the solid masonry by way of the steel insert.



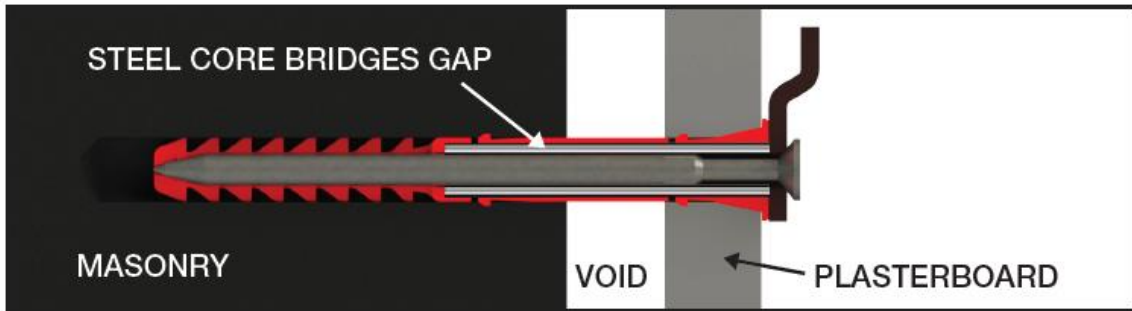
Benefits	To support
 Superfast installation	 Wall mounted large screen TVs
 No bowing of plasterboard	 Wall hung cabinets
 Tested to 250kg	 Boilers
 Safe working load of 90kg based on 4 x Corefix fixings	 Radiators and sanitaryware
 Standard tools required	 Shelves

INSTALLATION

Drill hole to required depth using 10mm masonry drill bit. Ensure all debris and dust has been removed from the hole. Gently tap plug into place until flange contacts the plasterboard then tap metal core into place. Screw fixture to the wall with supplied screw.



Warning: Always check for cables and pipes before drilling and use suitable protective equipment. Not recommended for cantilever installations.



TECHNICAL

The performance of Corefix has been independently tested and verified. Corefix has a maximum recommended load of 90kg*, without the influence of edge or distance spacing. (*based upon shelf fixed onto drylined wall with 4 x Corefix fixings).

	Notes	Units	Value
Drill diameter	N/A	[mm]	10
Minimum Drill depth	N/A	[mm]	100
Screw diameter	N/A	[mm]	5
Ultimate Axial Tensile Force (Pull-out)	Dense Concrete blockwork 1800kg/m ³	[kN]	0.89
	Aerated lightweight concrete blockwork 600kg/m ³	[kN]	0.68
Recommended Axial Tensile Force (Pull-out)	Dense Concrete blockwork 1800kg/m ³	[kN]	0.127**
	Aerated lightweight concrete blockwork 600kg/m ³	[kN]	0.097**
Maximum Shear Force (Vertical)	Dense Concrete blockwork 1800kg/m ³	[kN]	0.98
	Aerated lightweight concrete blockwork 600kg/m ³	[kN]	0.71
Recommended Shear Force (Vertical)	Dense Concrete blockwork 1800kg/m ³	[kN]	0.245***
	Aerated lightweight concrete blockwork 600kg/m ³	[kN]	0.178***
Minimum distance (in concrete)	From Edge	[mm]	65
	Between holes	[mm]	25
Plasterboard Gap	Maximum	[mm]	25
	Minimum	[mm]	0
Materials & Finishes	Corefix expansion plug: Impact resistant PP copolymer		
Materials & Finishes	Core: Steel, zinc plated for corrosion resistance.		
Materials & Finishes	Screw: Steel, zinc plated for corrosion resistance.		
Factor of safety of 7. *Factor of safety of 4			

