

TABLE 3 – Tie penetrations for different substrates

Far Leaf Material	Penetration (mm)	Recommended Tie	Pilot Hole
AAC/Soft bricks <4.0 N/mm²	95	8mm RetroTie	Not required
		8mm DryFix	Not required
Standard brick/Natural stone	70	8mm DryFix	5mm/6mm
Light concrete block/No fines 5-20 N/mm²		6mm RetroTie	4.5mm
Hard brick	45	8mm DryFix	6mm/7mm
		6mm RetroTie	4.5mm
High strength reinforced vibrated concrete	30	8mm DryFix	6.5mm/7.5mm
		6mm RetroTie	4.5mm
Hollow masonry/No fines	50	6mm CemenTie	Not applicable Clearance hole required
Local variants of clay	250	8mm RetroTie	Not required
Floor joist - side grain - end grain	50	BowTie HD	Not required
	75	BowTie	Not required
Soft wood timber frame	45	8mm DryFix	Not required
		6mm RetroTie	Not required

Table 3 information above is to be used as a guide only. For a detailed specification of your project please consult the Helifix Technical Sales Team.