

Substrate Testing

Report Number	Standards	Roof Type	Post Type	Fixing Type	Details	Reason for Failure	Test Status	Failure Load kN	Calculation Load kN
BSI-SPM-0614-01	EN 795:2012 CEN/TS 16415:2013 BS 8610	Single Ply Membrane	Absorbing Post	Toggle Bolts	60mm Insulation, Steel Deck	Rear Toggle Pull Out due to Sheet Failure	Pass	20.70	10.35
BSI-SPP-0614-01	EN 795:2012 CEN/TS 16415:2013 BS 8611	Single Ply Membrane	Absorbing Post	Toggle Bolts	60mm Insulation, 18mm Plywood Deck	Rear Toggle Pull Out due to Sheet Failure	Pass	25.90	12.95
BSI-USCI-0614-01	EN 795:2012 CEN/TS 16415:2013 BS 8612	Concrete Fix	Absorbing Post	Mechanical Anchor	60mm Insulation, Aged Concrete	Concrete Failure	Pass	36.20	18.10
BSI-USC-0614-01	EN 795:2012 CEN/TS 16415:2013 BS 8613	Concrete Fix	Absorbing Post	Mechanical Anchor	Aged Concrete	Concrete Failure	Pass	36.20	18.10
BSI-USRP-0614-01	EN 795:2012 CEN/TS 16415:2013 BS 8614	Concrete Fix	Rigid Post	Mechanical Anchor	Aged Concrete	No Failure - Reached MBS of Cable	Pass	37.00	18.50
BSI-TBU-0614-01	EN 795:2012 CEN/TS 16415:2013 BS 8615	Profile Sheet Build Up	Absorbing Post	Rivet	0.7mm Steel Deck	Sheet Failure at Rivet Hole	Pass	24.20	12.10
BSI-TC-0614-01	EN 795:2012 CEN/TS 16415:2013 BS 8616	Profile Sheet Composite	Absorbing Post	Rivet	0.5mm Steel Composite Panel	Sheet Failure at Rivet Hole	Pass	24.10	12.05
BSI-TSS-0614-01	EN 795:2012 CEN/TS 16415:2013 BS 8618	Profile Sheet Single Skin	Absorbing Post	Rivet	0.7mm Steel Deck	Sheet Failure at Rivet Hole	Pass	24.20	12.10
BSI-SS-0614-02	EN 795:2012 CEN/TS 16415:2013 BS 8619	Standing Seam Build Up	Absorbing Post	Clamp	0.9mm Bulb Type Standing Seam	Roof Sheet Failure (Sliding)	Pass	24.40	12.20