



Applications

- Attaching insulation and single ply membrane to standard steel, timber and concrete decking

Drill tap and fasten in one operation

For attaching insulation and single ply membrane to standard steel and timber decking.

Product Advantages

- 5.5mm and 6.3mm diameter, high shear and tensile strength
- Self drilling X point
- Modified buttress thread – high pull-out resistance, reduced risk of stripping thread
- Low profile head reduces damage to underside of membrane
- Phillips No 3 recess – positive and safe drive system
- Grey spex coating – high corrosion resistance for long life
- UEATC and FM4470 approved
- Stress plates available,
- Heavy duty available for fixing to concrete

Specification

- Single ply membrane and insulation to steel decking 0.7 to 1.2mm thickness.
- For timber use RG in minimum 19mm thickness plywood penetrate through decking by at least 15mm. In thicker timber ensure a minimum embedment of 38mm.
- Available with special washer to provide maximum clamping and pullover performance.
- High resistance to unwinding action caused by wind force.

Heavy Duty

For concrete decking, drill a 5.5mm diameter pilot hole into concrete to provide a minimum embedment of 32mm. The tapping hole must be a minimum of 15mm deeper than the actual length of the screw.

Mechanical performance in all concrete and light concrete applications can only be determined by on-site pull out tests.

RoofGrip Screws

Product Range - RoofGrip Screws - For Insulation to Metal and Timber Decking - 5.5mm Diameter



Eurocode	Code	Head Style	Diameter	Length	Min Build-up	Max Build-up	Box Qty
921191	RG41	Oval Head	5.5mm	41mm	13	26	200
921192	RG57	Oval Head	5.5mm	57mm	13	42	200
921193	RG75	Oval Head	5.5mm	75mm	26	60	200
921195	RG82	Oval Head	5.5mm	82mm	26	67	200
921196	RG96	Oval Head	5.5mm	96mm	26	81	100
921186	RG111	Oval Head	5.5mm	111mm	42	96	200
921187	RG126	Oval Head	5.5mm	126mm	58	111	100
921188	RG151	Oval Head	5.5mm	151mm	83	136	100
921189	RG177	Oval Head	5.5mm	177mm	83	162	100
921190	RG202	Oval Head	5.5mm	202mm	108	187	100

Product Range - Heavy Duty RoofGrip System (HRG) - 6.3mm Diameter - Grey SPEX Finish



Eurocode	Code	Head Style	Diameter	Length	Min Build-up	Max Build-up	Box Qty
921177	HRG38	Oval Head	6.3mm	38mm	0	23	200
921178	HRG51	Oval Head	6.3mm	38mm	19	36	200
921179	HRG76	Oval Head	6.3mm	76mm	44	61	200
921168	HRG100	Oval Head	6.3mm	100mm	68	85	200
921169	HRG127	Oval Head	6.3mm	127mm	95	112	100
921170	HRG152	Oval Head	6.3mm	152mm	120	137	100
921171	HRG176	Oval Head	6.3mm	176mm	144	161	100
921172	HRG200	Oval Head	6.3mm	200mm	168	185	100

RoofGrip Screws

Product Range - SDS Rotary Hammer Drill Bits for Concrete



Eurocode	Code	Diameter	Working Length	Box Qty
921155	55SDS168	5.5mm	168mm	1
921156	55SDS220	5.5mm	219mm	1
921157	55SDS295	5.5mm	295mm	1
921158	55SDS350	5.5mm	350mm	1

Product Range - FM Approved Stress Plates



Eurocode	Code	Description	Box Qty
921198	SP50	50mm round galvalume metal	1,000
921197	RGP80	80mm round plastic gearlok, resists push down	1,000

Recommended Pullout Values for Roofgrip and Single Membrane Fasteners

Decking Material Type	Decking Thickness	Diameter	Pullout Value
Steel	0.7mm	5.5mm	1.66kN
Steel	0.75mm	5.5mm	1.71kN
Steel	0.88mm	5.5mm	2.10kN
Steel	0.90mm	5.5mm	2.10kN
Steel	1.00mm	5.5mm	2.84kN
Steel	1.20mm	5.5mm	3.45kN
Timber	19.00mm	5.5mm	2.84kN
Timber	25.00mm	5.5mm	4.86kN

