

Roofing Insulation Fixings



R-WX-T Self-drilling screws for steel

Screw for trapezoidal steel sheet – max thickness of 2 x 1.25mm, TORX25 drive



Approvals and Reports

- ETA-09/0346



Product information

Features and benefits

- Hardened thread surface
- High quality anti-corrosion coating guarantees resistance of 15 Kesternich cycles.
- Shape and type of the thread specially design to allow connecting to metal sheets
- The drill point is designed to provide a fast and hassle-free installation. Sharp point of the drill prevents movement of the surface of the fixture.
- Reduced drilling point ensures optimal tightness and correct hole diameter in thin metal sheets.
- Pre-assembly with other components is possible before installation

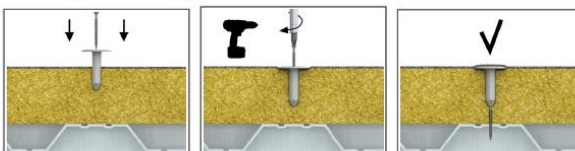
Applications

- Insulation layers on flat roofs together with a appropriate telescopic or steel washer

Base materials

- Approved for use in:**
- Metal Sheet & Profiles

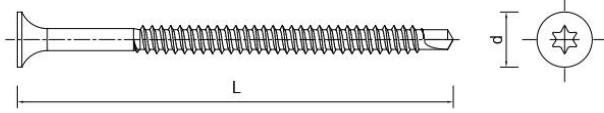
Installation guide



1. Lightly insert plastic sleeve into insulation material
2. Using drilling machine, drive the WX screw into substrate until fixing depth is reached

Roofing Insulation Fixings **RAWLPLUG®**

Product information



Product Code	Screw	
	Diameter	Length
	d	L
	[mm]	[mm]
R-WX-48T050	4.8	50
R-WX-48T060	4.8	60
R-WX-48T070	4.8	70
R-WX-48T080	4.8	80
R-WX-48T100	4.8	100
R-WX-48T120	4.8	120
R-WX-48T140	4.8	140
R-WX-48T160	4.8	160
R-WX-48T180	4.8	180
R-WX-48T200	4.8	200
R-WX-48T240	4.8	240
R-WX-48T300	4.8	300

Product Code				Plastic sleeve			Fixture		Length	Bite type
				Diameter	Length	Plate diameter	Min. thickness	Max. thickness		
				d	L	D	t _{min}	t _{max}		
				[mm]	[mm]	[mm]	[mm]	[mm]		
R-GOK-015		GOK-PLUS-015		15.5	15	50	30	280		
R-GOK-035		GOK-PLUS-035		15.5	35	50	50	300		
R-GOK-065		GOK-PLUS-065		15.5	65	50	80	330		
R-GOK-075		GOK-PLUS-075		15.5	75	50	90	340		
R-GOK-085		GOK-PLUS-085		15.5	85	50	100	350		
R-GOK-095		GOK-PLUS-095		15.5	95	50	110	360		
R-GOK-105		GOK-PLUS-105		15.5	105	50	120	370		
R-GOK-125		GOK-PLUS-125		15.5	125	50	140	390		
R-GOK-135		GOK-PLUS-135		15.5	135	50	150	400		
R-GOK-165		GOK-PLUS-165		15.5	165	50	180	430		
R-GOK-185		GOK-PLUS-185		15.5	185	50	200	450		
R-GOK-225		GOK-PLUS-225		15.5	225	50	240	490		
R-GOK-255		GOK-PLUS-255		15.5	255	50	270	520		
R-GOK-285		GOK-PLUS-285		15.5	285	50	300	550		
R-GOK-325		GOK-PLUS-325		15.5	325	50	340	590		
R-GOK-385		GOK-PLUS-385		15.5	385	50	400	650		
R-GOK-425		GOK-PLUS-425		15.5	425	50	440	690		
	R-GOK-525-N			15.5	525	50	540	790		
	R-GOK-625-N			15.5	625	50	640	890		
	R-GOK-725-N			15.5	725	50	740	990		
			TORX-025/100						10010010 0100100	
									TORX-02 5TORX-0 25TORX- 025TORX -025TOR X-025	

Roofing Insulation Fixings



Installation data

Substrate			Steel
Hole diameter in substrate	d_o	[mm]	-
Min. hole depth in substrate	h_o	[mm]	-
Min. installation depth	h_{min}	[mm]	-
Min. substrate thickness	h_{min}	[mm]	0.63
Min. spacing	s_{min}	[mm]	120
Min. edge distance	c_{min}	[mm]	30
Screw diameter	d	[mm]	4.8

Roofing Insulation Fixings RAWLPLUG®

Product commercial data

Size	Product Code	Screw			Length [mm]	Quantity [pcs]			Weight [kg]			Bar Codes
		Length [mm]	Diameter [mm]	Length [mm]		Box	Outer	Pallet	Box	Outer	Pallet	
Ø4.8	R-WX-48T050 ⁹	50				250	3000	72000	1.17	14.1	367.8	5906675104157
	R-WX-48T060 ⁹	60				250	3000	72000	1.39	16.6	429.5	5906675104164
	R-WX-48T070 ⁹	70				250	3000	72000	1.61	19.3	492.2	5906675104171
	R-WX-48T080 ⁹	80				250	3000	72000	1.86	22.3	564.8	5906675104188
	R-WX-48T100 ⁹	100				200	2400	57600	1.86	22.4	566.8	5906675104201
	R-WX-48T120 ⁹	120				200	2400	57600	2.2	26.9	675.4	5906675104232
	R-WX-48T140 ⁹	140				200	2400	57600	2.6	31.3	780.2	5906675104256
	R-WX-48T160 ⁹	160				100	1200	28800	1.51	18.1	463.7	5906675104263
	R-WX-48T180 ⁹	180				100	100	16800	1.75	1.75	324.7	5906675104270
	R-WX-48T200 ⁹	200				100	100	16800	1.93	1.93	353.6	5906675104287
	R-WX-48T240 ⁹	240				100	100	16800	2.3	2.3	408.8	5906675104300
	R-WX-48T300 ⁹	300				100	100	16800	2.8	2.8	498.0	5906675104317
		R-GOK-015		15.5	15		1100	1100	61600	6.6	6.6	400.8
R-GOK-035			15.5	35		600	600	33600	5.0	5.0	307.0	5906675101057
R-GOK-065			15.5	65		400	400	22400	4.3	4.3	268.1	5906675101170
R-GOK-075			15.5	75		300	300	16800	3.8	3.8	241.7	5906675106663
R-GOK-085			15.5	85		300	300	16800	3.8	3.8	244.2	5906675106687
R-GOK-095			15.5	95		250	250	14000	3.8	3.8	240.6	5906675106717
R-GOK-105			15.5	105		250	250	14000	3.7	3.7	236.1	5906675106748
R-GOK-125			15.5	125		200	200	11200	3.5	3.5	224.8	5906675106779
R-GOK-135			15.5	135		200	200	11200	3.5	3.5	224.1	5906675106830
R-GOK-165			15.5	165		150	150	8400	3.1	3.1	201.5	5906675106861
R-GOK-185			15.5	185		100	100	5600	2.3	2.3	158.9	5906675106885
R-GOK-225			15.5	225		100	100	5600	2.6	2.6	176.4	5906675107103
R-GOK-255			15.5	255		75	75	4200	2.3	2.3	158.1	5906675112855
R-GOK-285			15.5	285		75	75	4200	2.5	2.5	168.9	5906675107295
R-GOK-325			15.5	325		50	50	2800	2.0	2.0	139.2	5906675108056
R-GOK-385			15.5	385		50	50	2000	2.3	2.3	119.9	5906675108117
R-GOK-425			15.5	425		50	50	1600	2.4	2.4	106.4	5906675108629
R-GOK-525-N			15.5	525		50	50	600	4.2	4.2	80.0	5906675113883
R-GOK-625-N			15.5	625		50	50	600	4.7	4.7	86.2	5906675113890
R-GOK-725-N			15.5	725		50	50	600	5.2	5.2	92.4	5906675113906
GOK-PLUS-015			15.5	15		1100	1100	61600	7.7	7.7	460.2	5906675006086
GOK-PLUS-035			15.5	35		600	600	33600	5.1	5.1	313.7	5906675006093
GOK-PLUS-065			15.5	65		400	400	22400	4.6	4.6	285.2	5906675006109
GOK-PLUS-075			15.5	75		300	300	16800	3.6	3.6	231.6	5906675006116
GOK-PLUS-085			15.5	85		300	300	16800	3.9	3.9	248.6	5906675006123
GOK-PLUS-095			15.5	95		250	250	14000	3.7	3.7	235.5	5906675006130
GOK-PLUS-105			15.5	105		250	250	14000	3.9	3.9	247.8	5906675006147
GOK-PLUS-125			15.5	125		200	200	11200	3.4	3.4	218.0	5906675006154
GOK-PLUS-135			15.5	135		200	200	11200	3.6	3.6	233.8	5906675006161
GOK-PLUS-165			15.5	165		150	150	8400	3.2	3.2	210.5	5906675006178
GOK-PLUS-185			15.5	185		100	100	5600	2.5	2.5	172.0	5906675006185
GOK-PLUS-225			15.5	225		100	100	5600	2.8	2.8	184.9	5906675006192
GOK-PLUS-255			15.5	255		75	75	4200	2.4	2.4	164.3	5906675006208
GOK-PLUS-285		15.5	285		75	75	4200	2.6	2.6	173.6	5906675006215	
GOK-PLUS-325		15.5	325		50	50	2800	2.0	2.0	143.3	5906675006222	
GOK-PLUS-385		15.5	385		50	50	2400	2.4	2.4	142.8	5906675006239	
GOK-PLUS-425		15.5	425		50	50	2000	2.6	2.6	132.1	5906675006246	
RT-BIT-TORX25/100					100	12	480	960	0.37	14.9	59.8	5906675026022
RT-BIT-TORX25/150					150	12	480	960	0.56	22.6	75.1	5906675026039
RT-BIT-TORX25/200					200	12	240	960	0.74	14.9	89.5	5906675026046
RT-BIT-TORX25/350					350	12	216	864	1.31	23.5	124.2	5906675026060

Roofing Insulation Fixings **RAWLPLUG®**

Product commercial data

Size	Product Code	Screw		Plastic sleeve		Length [mm]	Quantity [pcs]			Weight [kg]			Bar Codes
		Length [mm]	Diameter [mm]	Length [mm]	Length [mm]		Box	Outer	Pallet	Box	Outer	Pallet	
	RT-BIT-TORX25/450					460	12	144	864	1.66	19.9	149.2	5906675026077

1) ETA-09/0346