

Fastening Materials



For the fastening of the thermal insulated panels on the purlins of the building, as well as for the support of the flashings, our company suggests the following self-drilling screws.

The screws are suitable for the support of the thermal insulated panels in buildings with metal frames, as well as in buildings with frame from reinforced concrete but with inserted metal support points.

They are available with metal washer with EPDM rubber gasket. They have hexagonal head suitable for «nut» N°8 (Hex 8mm).

They are produced from high quality galvanized carbon steel of great durability (case hardened) and with organic coating of «Climadur». They are conforming to the DIN 7504 specifications.

Application Table

Drill capability	Purlins and rails steel thickness (mm)																						
2	1,0 - 1,5																						
3	1,5 - 2,0			2,0 - 3,0																			
6	2,0 - 3,0					3,0 - 4,0																	
12	3,0 - 4,0							4,0 - 5,0															
	1,0	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0	5,5	6,0	6,5	7,0	7,5	8,0	8,5	9,0	9,5	10,0	10,5	11,0	11,5	12,0

Application	Fastener Type	DESCRIPTION			Use
		Thread (ø mm)	Length (mm)	Drill capability (mm)	
	8mm Hex 	4,8	19	1,5	STAPLING OF PANELS
		4,8	20	1,5	STAPLING OF PANELS
		5,5	25	3	STAPLING OF PANELS
*Available with integral color head in the following RAL: 1015 - 3003 - 5010 - 6020 - 7011 - 9002 - 9006					
	8mm Hex 	5,5	25	6	FIXING TRAPEZOIDAL STEEL SHEET TO CONSTRUCTION FRAME
		5,5	35	12	
		5,5	65	12	
		5,5	80	12	
		6,3	50	6	
		6,3	80	6	

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Application	Fastener Type	DESCRIPTION			Use
		Thread (ø mm)	Length (mm)	Drill capability (mm)	
	<p>8mm Hex</p> <p>Drill point 6mm</p>	5,5	6,3	62	WL/FW 40 WLC 50
		5,5	6,3	82	WL/FW 50 WL/FW 60 WLC 60
		5,5	6,3	102	WL/FW 80 WLC 80 RL 30
		5,5	6,3	122	WLC 100 RL 40 RL 50
		5,5	6,3	152	WLC120 RL 60 RL 80
	<p>8mm Hex</p> <p>Drill point 12mm</p>	5,5	6,3	76	WL/FW 40 WLC 40 WLC 50
		5,5	6,3	80	WL/FW 50 WLC 60
		5,5	6,3	95	WL/FW 50 WLC 60
		5,5	6,3	95	WL/FW 60 WLC 80
		5,5	6,3	115	WL/FW 80 WLC 80 RL 30 RL 40
		5,5	6,3	135	RL 50 WLC 100
		5,5	6,3	155	WLC 120 WLC 100 RL 80
		5,5	6,3	195	RL 100
		«ORKAN» calotte. Organic PVDF coated aluminium 1,2mm thick with internal investment of open cell polyurethane foam.			