




Structure material:
concrete




Structure material:
masonry




Structure material:
Timber




Structure material:
autoclaved concrete




Structure material:
Cold-rolled steel profile




Structure material:
hot rolled steel profile




Hex head




Maximum drilling capacity




Thickness of galvanized coating




Additional corrosive protection: gRey. coat




Product made of stainless steel




Made of high-quality nylon (polyamide)




The product contains UV stabilizers




Bimetal screw (dril point with hardened steel on stainless steel bolt)




The thickness of the powder painting coat




Can be paint with powder paint




This product requires pre-drilling




Torque




The recommended screwdriver rpm for screw installation




Minimum anchoring depth



Maximum thickness of fixing elements MTmax

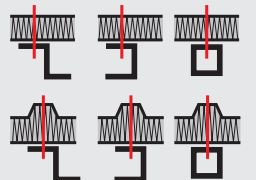
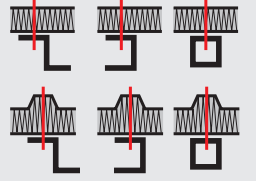




Maximum drilling capacity for two elements



Thickness range of used sandwich panels

SELECTION OF FASTENERS

Application type	Example of fixing	Minimum structure thickness	Maximum structure thickness	Environment corrosion class *		
		T min	T max	C3**	C4	C5 I/M
fixing of sandwich panels to steel thin-wall structure		1,20 mm	4,00 mm	-	-	DRILLNOX DF 4
		1,00 mm	6,00 mm	GT 6 SP	GTR 6 SP	GTX 6 SP
fixing of sandwich panels to hot rolled steel structure		3,00 mm	12,00 mm	GT 12 SP	GTR 12 SP	GTX 12 SP
			12,50 mm	-	-	DRILLNOX DF 12,5
		4,00 mm	16,00 mm	-	GTR 16 SP	-
			25,00 mm	-	GTR 25 SP	-
fixing of sandwich panels to concrete		60 mm (H _{ef} 30 or 40 mm)	-	-	GTR W SP	-
fixing of sandwich panels to timber		30 mm (H _{ef} 30 mm)	-	-	GTR W SP	-

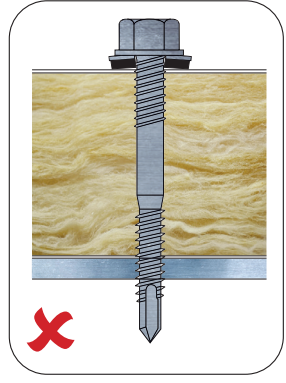
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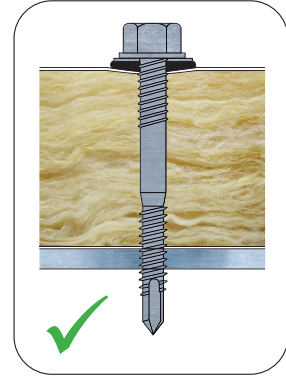
Installation guidelines

- fastener installation should always be perpendicular to the structure,
- fastener installation should be done by using a screwdriver equipped with adjustable clutch or embedding depth stop,
- during installation of the fastener, you should follow all recommended parameters for the type of fastener,
- any modification of fasteners, including cutting, is not allowed,
- in the event of any damage to the anticorrosion coating, defects must be secured (touched up),
- for installation of fasteners coated with paint it is recommended to use only ball-spring sockets.

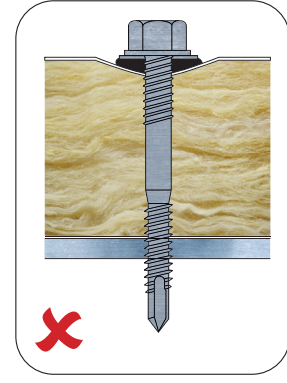
WASHER SETTING RECOMMENDATION (SANDWICH PANEL FIXING)



Under driven

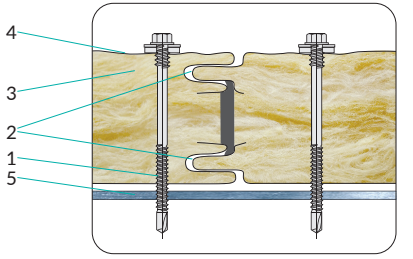


Correct



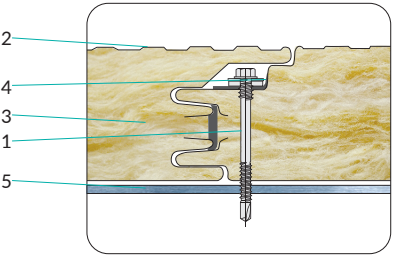
Over driven

Fixing of a wall sandwich panel



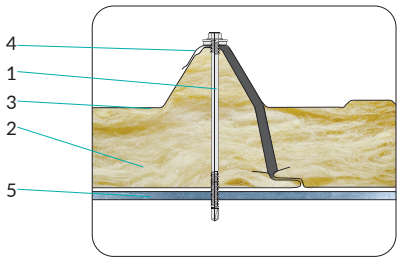
- Screw
- Panel scarf joint
- Panel core (insulating material)
- Panel lining
- Substrate

Fixing of a wall sandwich panel with a covered joint

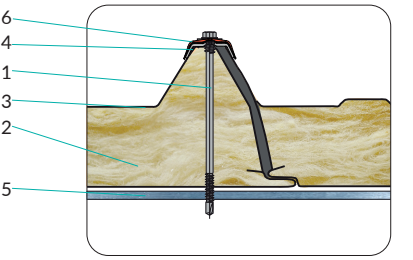


- Screw
- Panel lining
- Panel core (insulating material)
- Covered fastening
- Substrate

Fixing of a roof sandwich panel



- Screw
- Panel core (insulating material)
- Panel lining
- Top scarf joint of the roof panel
- Substrate



- Screw
- Panel core (insulating material)
- Panel lining
- Top scarf joint of the roof panel
- Substrate
- Saddle washer

* fixing point location according to the recommendations of the panel manufacturer

FASTOP

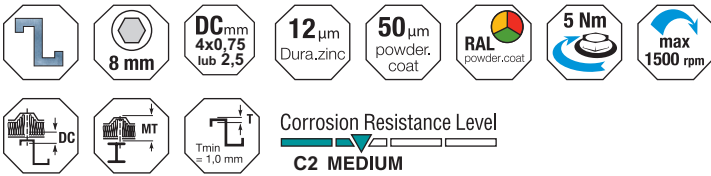
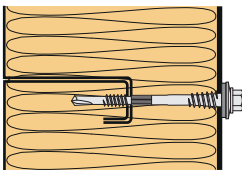
SELF-DRILLING SCREWS WITH A WASHER FOR CLADDING SHEETS IN THE DISTANCE

Self-drilling, self-tapping screws (double thread) made of surface hardened carbon steel, galvanized, drilling point #3, with fine thread and hex head, with a pre-assembled steel washer with vulcanized EPDM layer.

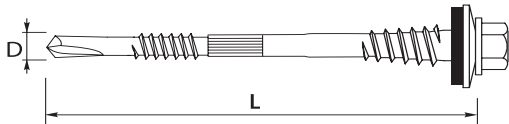


Intended for fixing profiled cladding sheets to wall cassettes with a gap filled with thermal insulation.

Index	Screw			MTmin	MTmax	Drilling capacity	Washer		Packaging Single/ Qty/Collective [pcs]
	D	L	Sw				Mat.	Size	
	[mm]	[mm]	[mm]			DC	-	-	
332063	5.5	70	8	40	40	4x0,75 lub 2,5	A	16	100/1/100
332064	5.5	90	8	60	60	4x0,75 lub 2,5	A	16	100/1/100
332065	5.5	110	8	80	80	4x0,75 lub 2,5	A	16	100/1/100



Corrosion Resistance Level
C2 MEDIUM



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GT 6 SP Z19

SELF-DRILLING SCREWS WITH WASHER FOR SANDWICH PANEL FIXING

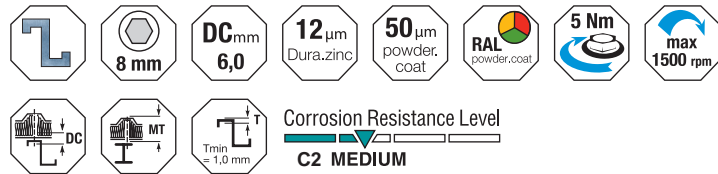
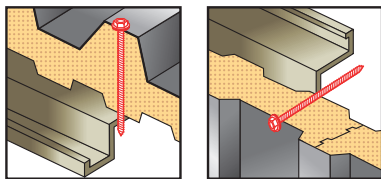
Self-drilling, self-tapping screws (double thread) made of surface hardened carbon steel, galvanized, drilling point #3, with fine thread and hex head, with a pre-assembled steel washer with vulcanized EPDM layer.



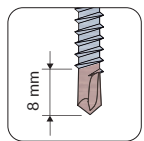
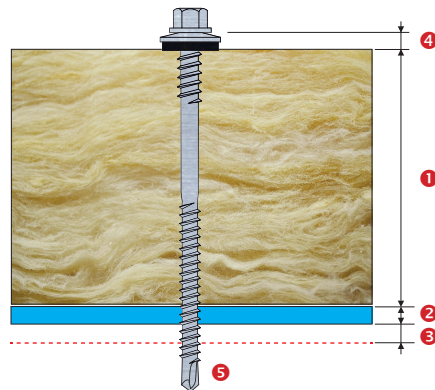
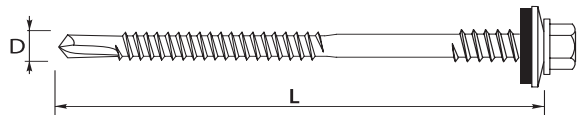
Intended for fastening sandwich panels to steel structures.

Index	Screw			MTmin	MTmax	Drilling capacity	Washer		Packaging Single/ Qty/Collective [pcs]
	D	L	Sw				Mat.	Size	
	[mm]	[mm]	[mm]			DC	-	-	
P1530650PL	5,5/6,3	65	8	20	40	6.00	Z	19	100/1/100
P1530900PL	5,5/6,3	90	8	35	65	6.00	Z	19	100/1/100
P1531100PL	5,5/6,3	110	8	55	85	6.00	Z	19	100/1/100
P1531250PL	5,5/6,3	125	8	70	100	6.00	Z	19	100/1/100
P1531500PL	5,5/6,3	150	8	95	125	6.00	Z	19	100/1/100
P1531750PL	5,5/6,3	175	8	120	150	6.00	Z	19	100/1/100
P1532000PL	5,5/6,3	200	8	145	175	6.00	Z	19	100/1/100
P1532300PL	5,5/6,3	230	8	155	205	6.00	Z	19	100/1/100
P1532750PL	5,5/6,3	275	8	200	250	6.00	Z	19	100/1/100
P153320R0PL	5,5/6,3	320	8	245	295	6.00	Z	19	100/1/100

Thickness of fixed elements MTmax is given for the maximum allowable thickness of the substrate.



Corrosion Resistance Level
C2 MEDIUM



- GT6 SP**
EXAMPLE CHOICE OF FASTENER TO BE USED WITH 100 MM THICK SANDWICH PANELS
1. Mounted element (cladding 100 mm)
 2. Thickness of the structural member (steel profile 6 mm)
 3. Length of threaded part (3 mm)
 4. Washer (4 mm)
 5. Drill point (8 mm)

The total length of the working part: 121 mm
GT6 SP Z19 5.5/6.3 x 125 (P1531250PL)