



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

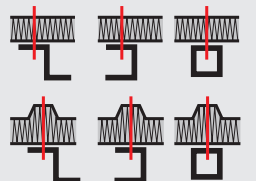
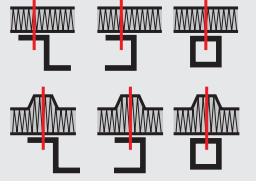
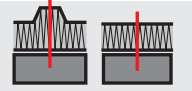


Maximum drilling capacity for two elements



Thickness range of used sandwich panels

SELECTION OF FASTENERS

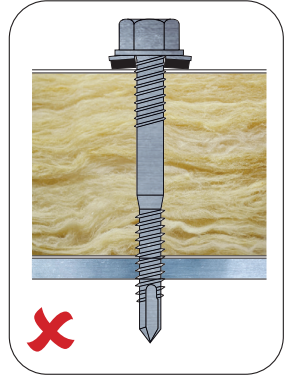
Application type	Example of fixing	Minimum structure thickness	Maximum structure thickness	Environment corrosion class *		
		T min	T max	C3**	C4	C5 I/M
fixing of sandwich panels to steel thin-wall structure		1,20 mm	4,00 mm	-	-	DRILLNOX DF 4
		1,00 mm	6,00 mm	GT 6 SP	GTR 6 SP	GTX 6 SP
fixing of sandwich 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	-

SELECTION OF FASTENERS

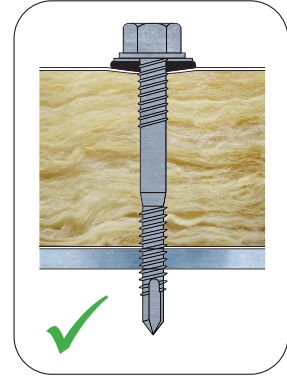
Installation guidelines

- 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.

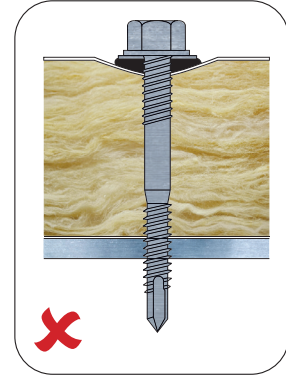
WASHER SETTING RECOMMENDATION (SANDWICH PANEL FIXING)



Under driven

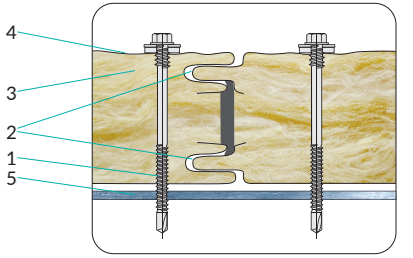


Correct



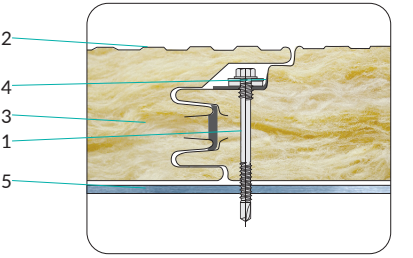
Over driven

Fixing of a wall sandwich panel



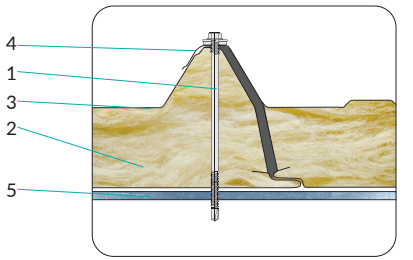
- Screw
- Panel scarf joint
- Panel core (insulating material)
- Panel lining
- Substrate

Fixing of a wall sandwich panel with a covered joint

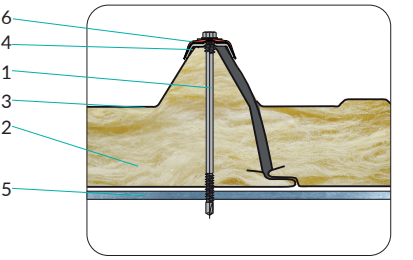


- Screw
- Panel lining
- Panel core (insulating material)
- Covered fastening
- Substrate

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

GT 12 SP Z19

SELF-DRILLING SCREWS WITH WASHER FOR SANDWICH PANELS

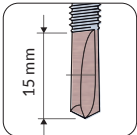
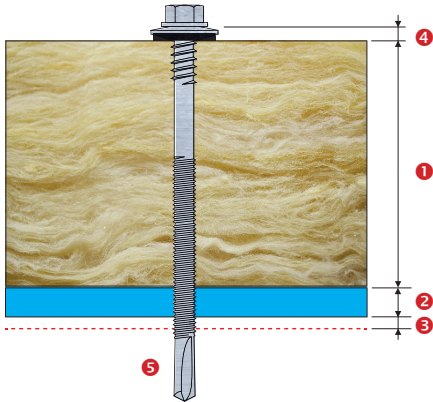
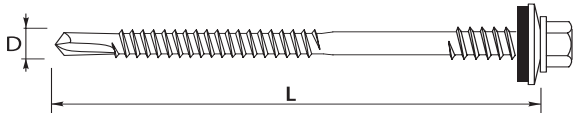
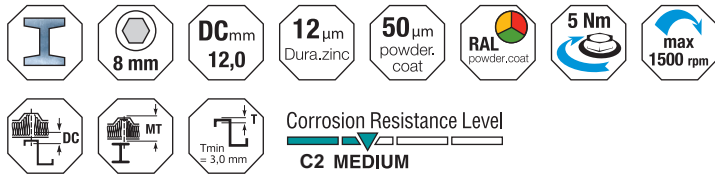
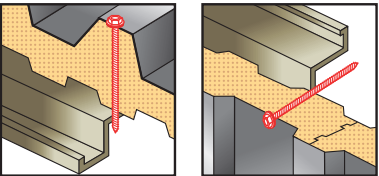
Self-drilling, self-tapping screws (double thread) made of surface-hardened carbon steel, galvanized, drilling point #5, with very fine thread and hex head, with a pre-assembled steel washer with vulcanized EPDM layer.



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]				-	-	
P1550700PL	5,5/6,3	70	8	25	30	12	Z	19	100/4/400
P1550900PL	5,5/6,3	90	8	25	50	12	Z	19	100/4/400
P1551100PL	5,5/6,3	110	8	45	70	12	Z	19	100/1/100
P1551300PL	5,5/6,3	130	8	65	90	12	Z	19	100/1/100
P1551400PL	5,5/6,3	140	8	75	100	12	Z	19	100/1/100
P1551500PL	5,5/6,3	150	8	85	110	12	Z	19	100/1/100
P1551600PL	5,5/6,3	160	8	95	120	12	Z	19	100/1/100
P1551750PL	5,5/6,3	175	8	110	135	12	Z	19	100/1/100
P1551850PL	5,5/6,3	185	8	110	145	12	Z	19	100/1/100
P1552000PL	5,5/6,3	200	8	125	160	12	Z	19	100/1/100
P1552300PL	5,5/6,3	230	8	155	190	12	Z	19	100/1/100
P1552400PL	5,5/6,3	240	8	165	200	12	Z	19	100/1/100
P1552850PL	5,5/6,3	285	8	200	245	12	Z	19	100/1/100

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



GT12 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 12 mm)
3. Length of threaded part (3 mm)
4. Washer (4 mm)
5. Drill point (15 mm)

The total length of the working part: 134 mm
GT12 SP Z19 5.5/6.3 x 140 (P1551400PL)

GTR 12 SP A19

SELF-DRILLING SCREWS WITH WASHER FOR SANDWICH PANELS

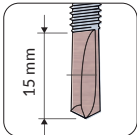
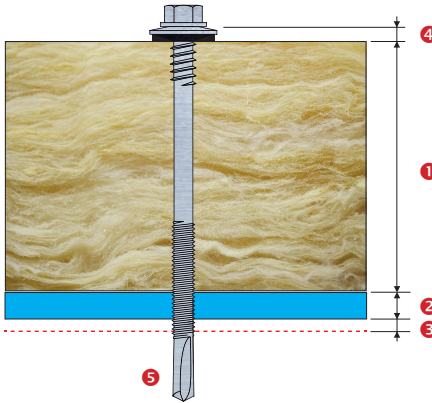
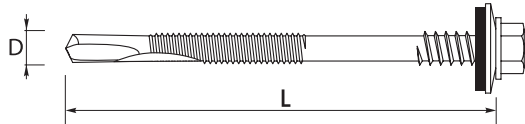
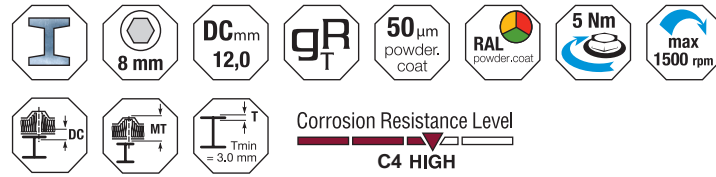
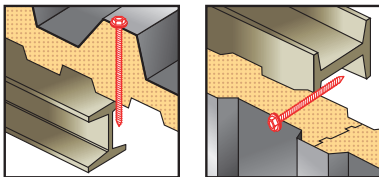
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Index	Screw			MTmin	MTmax	Drilling capacity	Washer		Packaging Single/ Qty/Collective [pcs]
	D	L	Sw				Mat.	Size	
	[mm]	[mm]	[mm]				-	-	
P155070R0PL	5,5/6,3	70	8	25	30	12.00	A	19	100/4/400
P155090R0PL	5,5/6,3	90	8	25	50	12.00	A	19	100/4/400
P155110R0PL	5,5/6,3	110	8	45	70	12.00	A	19	100/1/100
P155130R0PL	5,5/6,3	130	8	65	90	12.00	A	19	100/1/100
P155140R0PL	5,5/6,3	140	8	75	100	12.00	A	19	100/1/100
P155150R0PL	5,5/6,3	150	8	85	110	12.00	A	19	100/1/100
P155160R0PL	5,5/6,3	160	8	95	120	12.00	A	19	100/1/100
P155175R0PL	5,5/6,3	175	8	110	135	12.00	A	19	100/1/100
P155185R0PL	5,5/6,3	185	8	110	145	12.00	A	19	100/1/100
P155190R0PL	5,5/6,3	190	8	115	150	12.00	A	19	100/1/100
P155200R0PL	5,5/6,3	200	8	125	160	12.00	A	19	100/1/100
P155230R0PL	5,5/6,3	230	8	155	190	12.00	A	19	100/1/100
P155240R0PL	5,5/6,3	240	8	165	200	12.00	A	19	100/1/100
P155285R0PL	5,5/6,3	285	8	200	245	12.00	A	19	100/1/100
P155330R0PL	5,5/6,3	330	8	245	290	12.00	A	19	100/1/100

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