

Product data sheet – Blue-Power system screw

Product description

For fastening timber substructures to concrete or brickwork.

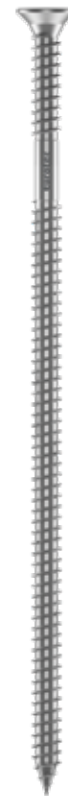
The Blue-Power façade mounting system is a quick and easy solution wherever timber substructures are to be fastened, with spacing, to concrete or brickwork. The Blue-Power system screws absorb the effects of both the tensile and transverse forces. When the system is installed on façade insulation, the insulation absorbs a proportion of the transverse forces. The insulation product must therefore have a compressive strength of at least 50 kPa at 10% compression. The C24 tiling battens should have a cross section of at least 30 x 50 mm.

Material

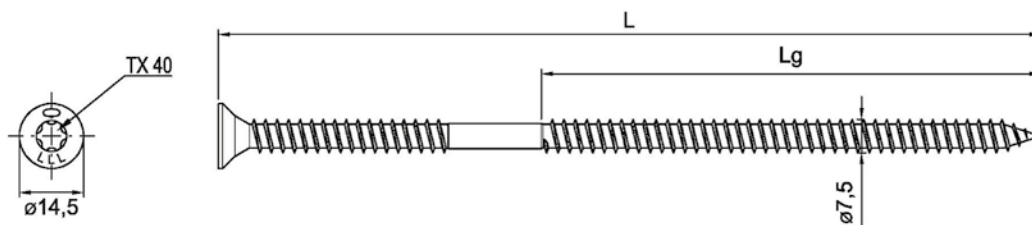
- Special coated

Advantages

- Installation without dowels
- Short assembly times
- Can be processed with commercially available battery-powered tools



Technical drawing



Product data sheet – Blue-Power system screw

Product table

Blue-Power system screw						
Art.-No.	Dimensions [mm]	Drive	For insulation thickness up to ^{a)}			PU
			Concrete, solid clay brick & solid lime brick [mm] ^{a)}	Aerated concrete & perforated lime sand brick [mm] ^{a)}	Vertically perforated brick [mm] ^{a)}	
110390	7,4 x 180	TX40 ●	100	80	30	100
110391	7,4 x 200	TX40 ●	120	100	50	100
110392	7,4 x 220	TX40 ●	140	120	70	100
110393	7,4 x 240	TX40 ●	160	140	90	100
110394	7,4 x 260	TX40 ●	180	160	110	100
110395	7,4 x 280	TX40 ●	200	180	130	100
110396	7,4 x 300	TX40 ●	220	200	150	100
110397	7,4 x 320	TX40 ●	240	220	170	100
110398	7,4 x 340	TX40 ●	260	240	190	100
110399	7,4 x 360	TX40 ●	280	260	210	100
110400	7,4 x 380	TX40 ●	300	280	230	100
110401	7,4 x 400	TX40 ●	320	300	250	100
110404	7,4 x 450	TX40 ●	340	320	270	100
110407	7,4 x 500	TX40 ●	360	340	290	100

a) for support structure thickness 30 mm

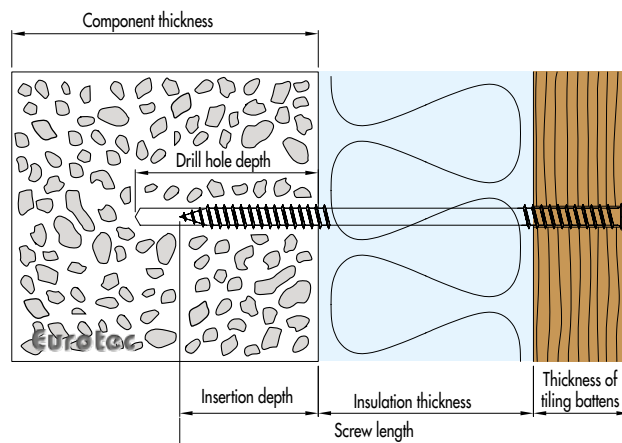
Screw length \geq min. insertion depth + insulation thickness + tiling batten thickness

Fields of application

- Exterior: ventilated curatin façade with façade insulation
- Interior: e. g. suspended ceilings, wall panelling etc.

Instructions for use

1. Pre-drill the support structure to 6.5 mm
2. Pre-drill the substrate
3. Place the Blue-Power system screw into the subfloor through support structure



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Static values

Base material	Drill diameter in base material [mm]	Min. borehole depth	Min. anchoring depth [mm]	Drilling method ^{a)}	Min. component thickness [mm]	Min. edge distance [mm]	Min. centre distance [mm]	Tensile load bearing capacity $N_{Rk}^{b)}$ [kN]	Tensile force resistance V_{Rk} [kN]
Concrete C20/25	6,0	70	50	H	100	50	100	2,5	0,75
Solid clay brick	6,0	70	50	H	115	50	100	3,5	0,6
Solid lime-sand brick	6,0	70	50	H	115	50	100	3,5	0,5
Aerated concrete	5,0	85	70	R	115	50	100	0,9	0,3
Perforated lime-sand brick	5,0	85	70	R	115	50	100	2,0	0,6
Vertically perforated brick	6,5	140	120	R	175	50	100	0,5	0,4
Wood	c)	c)	50	R	60	25	100	d)	d)

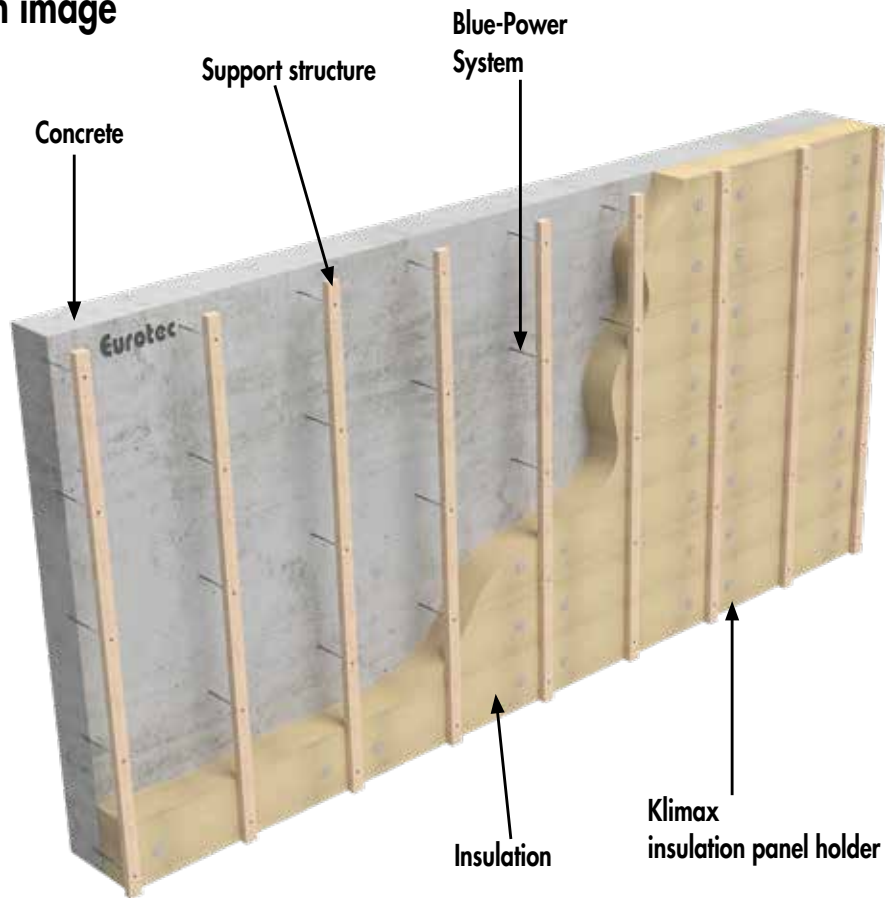
a) H= hammer drilling, R= rotary drilling

b) The char. head pull-through resistance $F_{ax,head,Rd}$ in the battens must be taken into account. $F_{ax,head,Rd}$ (k 350)= 1.45 kN. The battens must be predrilled to 6.5 mm.

c) Wooden subfloor does not have to be predrilled.

d) To be dimensioned according to EN 1995-1-1:2010-12.

Application image



If you are not familiar with how this product is used, and particularly with the product's intended use, please contact our Application Technology department (Technik@eurotec.team).