

Product data sheet – Drill Tool 50X

Product Description

The Drill Tool 50X is a drilling template for the invisible fastening of decking boards. With this tool you can exclusively fasten decking boards indirectly/invisible. There are no screw heads visible.

Through the help of fixation points the screws will be screwed in evenly in a 50° angle and are optimally placed. The spacer on the Drill Tool 50X will automatically create an equally joint gap of 6 mm between the different planks.



Material

- Polyamide
- Stainless steel A2
- Hard metal

Advantages

- Quick and easy installation of decking boards
- Will result in an even joint pattern
- Fixation points are predefined

Product table

Drill Tool 50X			
Art. no.	Description	Dimensions [mm]	PU
499985	Drill Tool 50X	30 x 87 x 215	1
905514	50X deck screw	4,2 x 60	250
499985-Bit	50X long-bit	82; TX25	1
499985-Bohrer	50X step drill		1



50X deck screw



50X long-bit



50X step drill

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Application Notes

With the help of the Drill Tool 50X decking boards can be fastened indirectly/invisibly.

For the optimal fastening and without damaging the decking board, we advise you to use our 50X deck screw 4,2 mm x 60 mm, 50X Long-Bit 82 mm TX15 and the 50X Stage Drill 3,3 mm to 4,5 mm.

For Covering thickness \geq 21 mm and Covering width 110 mm – 150 mm.

Board: 110 mm				
	300	400	500	600
VPE	m ²	m ²	m ²	m ²
1	2,7	3,6	4,5	5,4
2	5,4	7,2	9	10,8
3	8,1	10,8	13,5	16,2
4	10,8	14,4	18	21,6
5	13,5	18	22,5	27

Board: 150 mm				
	300	400	500	600
VPE	m ²	m ²	m ²	m ²
1	3,8	5,1	6,4	7,6
2	7,6	10,2	12,8	15,2
3	11,4	15,3	19,2	22,8
4	15,2	20,4	25,6	30,4
5	19	25,5	32	38

Recommendation

We recommend the following types of wood for use with the 50X system:

Wood types	Maximum dimensions	
	plank thickness [mm]	plank width [mm]
Softwoods	21 - 25	110 - 145
Douglasie	21 - 25	110 - 145
Ipe, Lapacho	21 - 25	110 - 120
Cumarú	21 - 25	110 - 120
Merbau	21 - 25	110 - 145
Thermowood	21 - 25	110 - 145
Acetyliertes Holz	21 - 25	110 - 145
Walaba	21 - 25	110 - 145
Bangkirai	21 - 25	110 - 145

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Important: The use of smooth sawn boards should be avoided by all matters. Massaranduba as well as all other timbers with low dimensional stability are not suitable for concealed fastening. The moisture content of the timber must be between 16-20%. The joint spacing must be adapted to the moisture content of the timber. If the average moisture content of the timber is 18% a joint spacing of at least 7 mm has to be considered. For the usage of a tension clamp during installation, additional spacers to guarantee a joint spacing of ≥ 6 mm are required to prevent the tool from being damaged. With the use of timber species containing tanning agents a discoloration of the timber surface and/or the screw may occur.

Important: If the board is suitable of this kind fixation has to be determined by the supplier of the timber. During the installation, the moisture content of the timber has to be considered. Boards with a residual moisture content are more likely to shrink/swell, which could lead to an uneven joint spacing.

Processing

1. Place the floor board on the substructure. Depending on the kind of wood that is used, a distance between floor board and substructure should be created (TENAX spacer, EPDM tape 3 mm etc.) The advantages are better ventilation and the avoidance of waterlogging.
2. The Drill Tool should be positioned on the floor board in direction with the substructure.



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3. For every kind of wood the attachment points should be pre-drilled with the step drill (3,3 mm to 4,5 mm).



4. Place the screws in the pre-drilled holes which should have an angle of 50°. The process can be done with a placed Drill Tool 50X and without one. Start with the screw in the opposite direction (see the picture below).



Important: The supplier/manufacturer should be asked if the floor board can be used for this kind of fastening. When laying please note the wood moisture. Wood planks with higher residual moisture might shrink, which could lead to an uneven gap distance.

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).