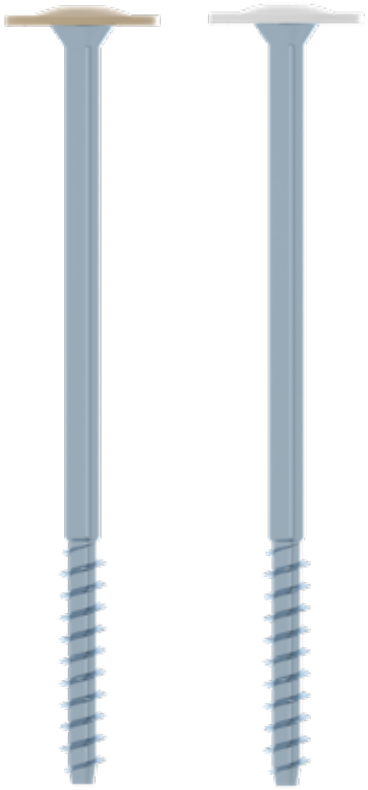
PRODUCT DATA SHEET

DPLS CONCRETE

PRODUCT DESCRIPTION

The DPLS Concrete from Eurotec is suitable for the fastening of wood-wool boards as well as wood-wool-multilayer boards to concrete ceilings and walls in both indoor and outdoor settings. The screw head is powder coated in white or beige as standard. This covers the majority of insulation board colours and creates an aesthetically pleasing, homogeneous insulation layer with barely visible fixing points. The washer head screw is made of steel and characterised by its high heat resistance and stability. Thanks to its Type N tip and special thread design, this screw is ideal for both timber and concrete surfaces.



APPLICATIONS

It can be used for fastening insulation boards to concrete, for example in garages, underground garages and sports halls

MATERIAL

- Carbon steel, zinc-based special coating

* On request and from a minimum order quantity, the screw heads can be coloured in all RAL colours.

APPLICATIONS

The general building authority approval (abZ) or the general building authority authorisation (aBG) permits the lawful launch and application of innovative construction products and design solutions in accordance with the current building regulations in Germany. This ensures both the safety and quality of all construction projects implemented in Germany.

Note
We are currently transitioning to a new delivery process: all new deliveries will feature a wood-grain finish on the screw head. Screws with a smooth head will only be supplied from existing stock.

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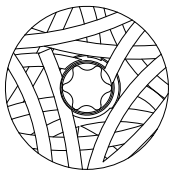
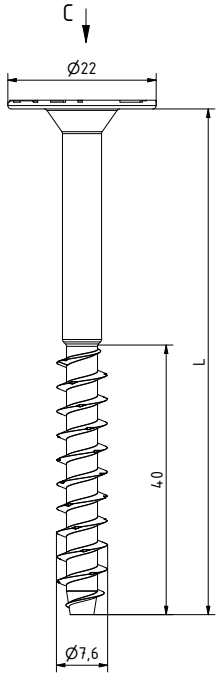
TECHNICAL INFORMATION

C (2 : 1)



Top view



Side view

DPLS Concrete				
		Certification	Interpolated	Certification
Min. screw insertion depth into the concrete	h_{nom} [mm]	25	30	40
Min. drill hole depth	h_1 [mm]	30	40	50
Nominal drill diameter	d_0 [mm]	6,0	6,0	6,0
Max. drill bit cutting edge diameter	d_{cut} [mm]	6,4	6,4	6,4
Minimum component thickness (concrete)	h_{min} [mm]	80	80	80
Minimum edge distance	c_{min} [mm]	60	75	100
Minimum centre distance	s_{min} [mm]	120	150	200
Design resistance[1)]	N_{Rd} [kN]	0,20	0,38	0,75

1) In cracked and non-cracked concrete C20/25 to C50/60

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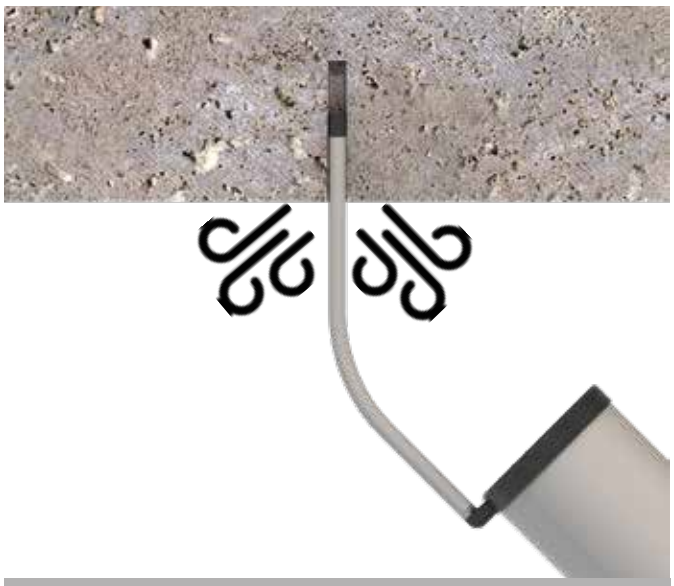
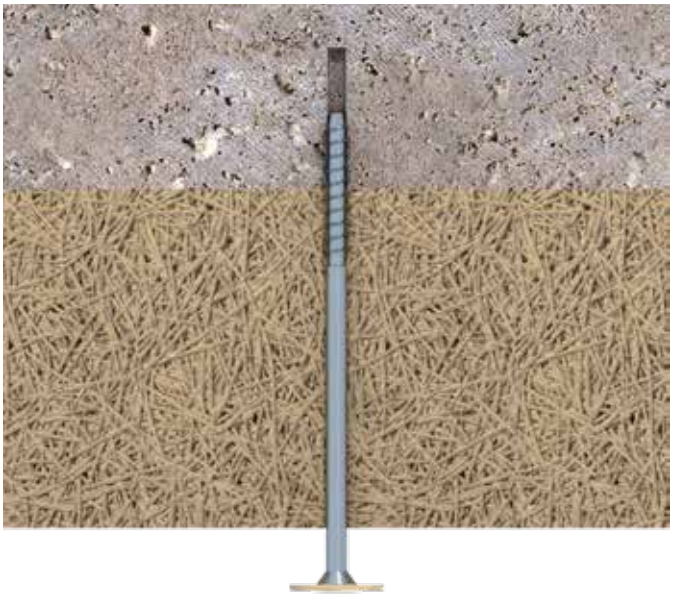
ASSEMBLY INSTRUCTIONS

For multiple fastening of insulation boards, 4 screws per square meter must be used.

Step 1: Drill a hole with a 6 mm diameter.



Step 2: Thoroughly clean the drill hole.



Step 3: Screw in the DPLS Concrete.

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PRODUCT TABLE

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Art. no.	Dimension [mm]	Colour	Drive	PU
945425	7,5 x 75	Beige	TX40 •	200
945417	7,5 x 75	White	TX40 •	200
945426	7,5 x 85	Beige	TX40 •	200
945418	7,5 x 85	White	TX40 •	200
945427	7,5 x 100	Beige	TX40 •	200
945419	7,5 x 100	White	TX40 •	200
945428	7,5 x 125	Beige	TX40 •	200
945420	7,5 x 125	White	TX40 •	200
945429	7,5 x 150	Beige	TX40 •	200
945421	7,5 x 150	White	TX40 •	200
945430	7,5 x 175	Beige	TX40 •	200
945422	7,5 x 175	White	TX40 •	200
945943	7,5 x 200	Beige	TX40 •	200
945940	7,5 x 200	White	TX40 •	200
945944	7,5 x 225	Beige	TX40 •	200
945941	7,5 x 225	White	TX40 •	200
945945	7,5 x 250	Beige	TX40 •	200
945942	7,5 x 250	White	TX40 •	200

If you are not familiar with the application of this product, in particular with its intended use, please contact our Application Technology Department (technik@eurotec.team).

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