ejotherm® screw-in anchor S1

Application range

- For fixing of external thermal insulation composite systems with rendering
- For the installation in all substrates (A, B, C, D, E)
- For all insulation boards
- For surface fixed installation

Properties

- Approved for all building material categories
- Highly comfortable installation and assembly
- Fast installation time
- Optimised thermal bridge (0.000 W/K)
- Can be mounted with additional washer VT 90 and SBL 140 plus

Certifications

ETA-17/0991

Cross reference

ejotherm® S1-tool
ejotherm® S1-tool pro
ejotherm® S1-Bit 30 IPR x 89
Combi washer VT90
Combi washer SBL 140 plus

Technical data	
Anchor nominal diameter	8 mm
Washer diameter	60 mm
Drill hole depth $h_1 \geq$	
Use categories A, B, C	40 mm
Use categories D, E	60 mm
Embedment depth $h_{ef} \geq$	
Use categories A, B, C	30 mm
Use categories D, E	50 mm
Screw drive	IPR 30 (5 lobe)
Point thermal transmission χ	
Insulation thickness h_D 60 mm	0,001 W/K
Insulation thickness h_D 80–460 mm	0.000 W/K
Use categories	A, B, C, D, E

Please note

For calculation of design loads the national safety factors have to be included (e.g. Germany: 3). Pleae observe the dop/ approval.

Characteristic loads

Base materials		Bulk density class ρ [kg/dm³]	Minium compressive strength fb [N/mm²]	Loads [kN]
A	Concrete C 16/20 - C 50/60 acc. to EN 206-1:2000	-	-	1.5
A	Concrete rain screens C 16/20 - C 50/60 acc. to EN 206-1:2000	-	-	1.4
B	Clay bricks (Mz) acc. to EN 771-1:2011	≥ 1.8	12	1.5
B	Sand-lime solid bricks (KS) acc. to EN 771-2:2011	≥ 1.8	12	1.5
C	Vertically perforated clay bricks (Hlz) acc. to EN 771-1:2011	≥ 1.6	20	1.5
C	Sand-lime perforated bricks (KSL) acc. to EN 771-2:2011	≥ 1.6	12	1.5
C	Lightweight concrete hollow blocks (HbL) acc. to EN 771-3:2011	≥ 1.2	7	0.9
D	Lightweight aggregate concrete (LAC 4 - LAC 25) acc. to EN 1520:2011-06 / EN 771-3:2011	≥ 0.7	7	0.9
E	Autoclaved aerated concrete (AAC 4 - AAC 7) acc. to EN 771-4:2011	≥ 0.55	6	0.75

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