

Sto Thermo Dowel UEZ 8/60

(Sto-Thermodübel UEZ 8/60 = EJOT ejotherm STR U)



Insulation board anchor for External Wall Insulation Systems

Rev. INT.EN/005/09.2009

product code art.-no.	length	concrete, brickwork use categories A,B,C,D		aerated, lightw. concrete use categorie E		washer diameter	packaging [pieces]
		anchorage depth	insulation thickness *)	anchorage depth	insulation thickness *)		
01011-001	115 mm	25 mm	50/60 **)	65 mm	-	60 mm	100
01011-002	135 mm	25 mm	70/80	65 mm	-	60 mm	100
01011-003	155 mm	25 mm	90/100	65 mm	50/60 **)	60 mm	100
01011-004	175 mm	25 mm	110/120	65 mm	70/80	60 mm	100
01011-005	195 mm	25 mm	130/140	65 mm	90/100	60 mm	100
01011-006	215 mm	25 mm	150/160	65 mm	110/120	60 mm	100
01011-007	235 mm	25 mm	170/180	65 mm	130/140	60 mm	100
01011-008	255 mm	25 mm	190/200	65 mm	150/160	60 mm	100
01011-009	275 mm	25 mm	210/220	65 mm	170/180	60 mm	100
01011-010	295 mm	25 mm	230/240	65 mm	190/200	60 mm	100
01011-021	315 mm	25 mm	250/260	65 mm	210/220	60 mm	100
01011-022	335 mm	25 mm	270/280	65 mm	230/240	60 mm	100
01011-023	355 mm	25 mm	290/300	65 mm	250/260	60 mm	100
01011-024	375 mm	25 mm	310/320	65 mm	270/280	60 mm	100
01011-025	395 mm	25 mm	330/340	65 mm	290/300	60 mm	100

*) countersunk installation: insulation thickness (renovation) = dowel length - 10 mm adhesive
 - 20 mm non-load-bearing render - 35 mm (e.g. 75 mm) drill hole depth + 15 mm (dowel cap)

***) to be installed plain with the surface only

Material description

- Anchor with washer head acc. to ETAG 014 (screw dowel), for fixing insulation boards of External Wall Insulation Systems
- Dowel body made of polyethylene PE-HD
- Screw made of galvanised steel
- Recessed assembling with 15 mm dowel caps (EPS, mineral wool) to minimize the punctual thermal bridge (countersunk installation)
- Alternative: Nonrecessed assembling with simple dowel caps possible (installation plain with the surface)

Colour dowel body
natural white



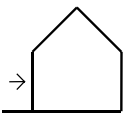
Uses

Classic	Vario	Mineral	Cell	Ceramic	Ventec	Reno
◆	◆	◆				

- For (additional) fixing of insulation boards (EPS, mineral wool) (Sto External Wall Insulation Systems: StoTherm Classic, Vario, Mineral - adhesive + dowels fixing system).
- Wall construction materials:
Concrete and solid brickwork, hollow brickwork, aerated concrete
 Use categories acc. to ETA: A, B, C, D, E
- Suitable for insulation thickness ≥ 80 mm (new buildings) e.g. ≥ 60 mm (renovation)

Test reports, approvals, certificates

- European Technical Approval ETA-04/0023;
 DIBt - Deutsches Institut für Bautechnik in Berlin
- Technical Approval for use as a construction material in Germany:
 Z-21.2-1769; DIBt - Deutsches Institut für Bautechnik in Berlin



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Application

- Screw dowel
- Drill hole diameter 8 mm
- Screw drive: With a special assembly tool. Use a highpower screwdriver
- Minimum anchorage depth in sustainable substrate = expansion length
- Countersunk installation: Determination of dowel length: Dowel length \geq + insulation thickness + thickness adhesive (approx. 10 mm) + thickness existing non-load-bearing render (approx. 20 mm) + drill hole depth (= anchorage depth + 10 mm) 35 e.g. 75 mm
- thickness insulation dowel cap (15 mm)
- Consumption: In accordance with static necessity and dowel tension load. Refer also to Technical Approval of the External Wall Insulation System
- Installation plain with the surface (without cap) is possible



Dowel caps

Product code Art.-No.	Product description	Packaging [pieces]
00931-001	Typ RPS - EPS white, thickness 15 mm	100
00931-005	Typ RPS - EPS grey, thickness 15 mm	100
00931-002	Typ RMW - mineral fibre, thickness 15 mm	100
00931-006	Typ RPH - phenolic foam, thickness 15 mm	100
00931-003	Typ VE - cap	500

Montage tools

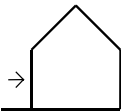


Product code Art.-No.	Product description	Packaging [pieces]
00934-004	Sto Thermo Dowel Assembly Tool	1
00934-002	Sto Thermo Dowel Assembly Tool Kit	1
00934-005	Spare part Bit H 60 L	3
00934-006	Spare part Bit H 60 K	3

Characteristic resistance to tension loads

Wall construction material	Standard	European Technical Approval	Characteristic loads (resistance to tension)
			[kN/dowel]
Concrete C 12/15	EN 206-1	ETA-04/0023	1,50
Concrete C 16/20 - C 50/60	EN 206-1		1,50
Solid clay bricks \geq Mz 12	DIN 105		1,50
Sand-lime solid bricks \geq KS 12	DIN 106		1,50
Lightweight-concrete solid blocks \geq V 4	DIN 18 152		0,60
Vertically perforated clay bricks \geq HLz 12	DIN 105-1		1,20
Sand-lime perforated bricks \geq KSL 12	DIN 106		1,50
Lightweight-concrete hollow blocks \geq Hbl 2	DIN 18 151		0,60
Lightweight-aggregate-concrete \geq LAC 4	EN 1520		0,90
Autoclaved aerated concrete P2 - P7	DIN 4165		0,75
Vertically perforated clay bricks Hlz	ÖNORM B6124		0,75

More details: refer to ETA-04/0023, annex 7



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General information

Revision No. INT.EN/005

Validity: 04.09.2009

Uses not clearly described in this Technical Data Sheet should only take place after consultation with Sto AG.

The information and data serve to ensure the normal application purpose and normal application suitability.

This Technical Data Sheet is valid outside Germany, in all countries without Sto subsidiary.

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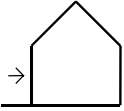
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Dowelling pattern

Board size: 0,50 m²

(EPS board 100 x 50 cm and mineral fibre board 80 x 62,5 cm)

Dowels/m²

