



Quality and safety in XXL - *ejotherm*® STR U
even for very high insulation thickness,
with minimum anchorage depth !

ejotherm® STR U - for
concrete and masonry



ejotherm® STR H - for
wood and metal

ejotherm® STR U - Cap anchor for concrete and masonry

- ❑ One for all: European approval for concrete, solid and perforated masonry, lightweight aggregate and autoclaved aerated concrete (use categories A - E)
- ❑ Short anchor lengths and quick installation through minimum anchorage depth of 25 mm (gas concrete: 65 mm)
- ❑ Highest loads for maximum safety and economic anchor usage
- ❑ Permanent contact pressure

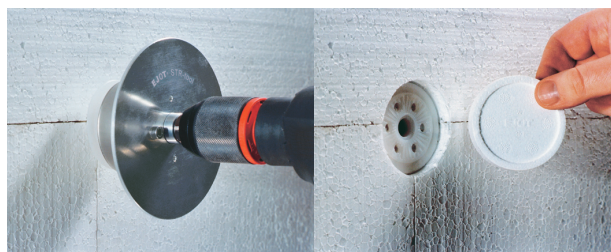


The EJOT® STR principle



Quick drilling thanks to
reduced drill depth

Place anchor with
premounted screw



Screwing + countersinking
with the STR-tool

Insert the STR cap
- ready!

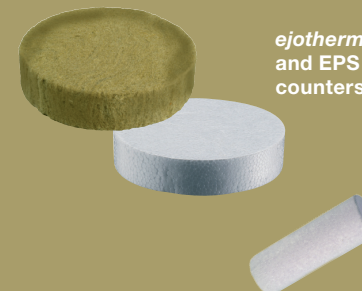
- ❑ The patented **EJOT® STR principle** for homogenous surfaces and even rendering - quick and easy without milling dust
- ❑ 100% setting control: the countersunk installation of the plate signals safe anchorage
- ❑ For all substrates: *ejotherm* STR U - approved for concrete and masonry, *ejotherm* STR H for wood and metal
- ❑ For all insulation materials: EPS or mineral wool, countersunk or plain with the surface
- ❑ Quality and safety in XXL: the STR principle for insulation up to 360 mm - perfect fastening for zero-energy buildings
- ❑ For long-lasting energy-saving facades!



Accessories for *ejotherm*® STR U and STR H

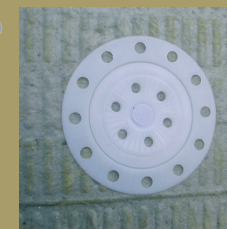


ejotherm® STR tool to install
ejotherm® STR U and STR H
- countersunk and plain with
the surface



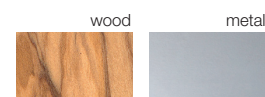
ejotherm® STR caps MW
and EPS (white and grey) for
countersunk installation

Alternative installation plain
with the surface with *ejotherm*®
STR plug and EJOT® additional
plates if necessary



ejotherm® STR H - Cap anchor for wood and metal sheets

- ❑ The STR principle for wooden substrates as well as metal sheets of up to 0.75 mm
- ❑ Permanent contact pressure
- ❑ Screw diameter 6 mm, plate diameter 60 mm, screw-in depth 30 - 40 mm



Technical data *ejotherm*® STR U

Anchor diameter	8 mm
Plate diameter	60 mm
Drill hole depth, countersunk installation $h_1 \geq$	50 mm (90 mm)
Drill hole depth, plain with the surface $h_2 \geq$	35 mm (75 mm)
Anchorage depth $h_{ef} \geq$	25 mm (65 mm)
Use categories acc. to ETA	A, B, C, D, E
European Technical Approval	ETA-04/0023
To be combined with add. clip-on plates (installation plain with the surface)	EJOT® SBL 140 <i>plus</i> EJOT® VT 90

Values in parentheses: anchoring in gas concrete (use category E)

Characteristic loads *ejotherm*® STR U

Normal weight concrete C 12/15 acc. to EN 206-1	1.5 kN
Normal weight concrete C 16/20-C 50/60 acc. EN 206-1	1.5 kN
Clay bricks (Mz) acc. to DIN 105	1.5 kN
Solid lime sandstone (KS) acc. to DIN EN 106	1.5 kN
Solid masonry of lightweight concrete (V) acc. DIN 18152	0.6 kN
Vertically perforated clay bricks (Hlz) acc. to DIN 105	1.2 kN
Vertical coring reference bricks (Hlz) acc. ÖNORM B6124	0.75 kN
Sand-lime perforated bricks (KSL) acc. to DIN EN 106	1.5 kN
Lightweight concrete hollow blocks (HbL) acc. DIN 18151	0.6 kN
Lightweight aggregate concrete (LAC)	0.9 kN
Autoclaved aerated concrete P2 - P7	0.75 kN

Regarding design loads the national safety factors are to be incorporated (e.g. Germany: 3). Please observe the approval.

Recommended use loads *ejotherm*® STR H

Wood fibreboards (thickness ≥ 17 mm)	0.25 kN
Chipboards (thickness ≥ 13 mm)	0.25 kN
Gypsum fibreboards (thickness ≥ 12.5 mm)	0.15 kN
OSB plates (thickness ≥ 16 mm)	0.25 kN
Solid wood plates (thickness ≥ 27 mm)	0.25 kN

The recommended use loads are calculated with a safety factor of 3. They may differ according to the object.

Product range *ejotherm*® STR U

Use category A-D, insulation (mm)		Use category E, insulation (mm)		Product name and length (mm)
New build ¹⁾	Renov ²⁾	New build ¹⁾	Renov ²⁾	
80	60*	–	–	<i>ejotherm</i> STR U 115
100	80	60*	–	<i>ejotherm</i> STR U 135
120	100	80	60*	<i>ejotherm</i> STR U 155
140	120	100	80	<i>ejotherm</i> STR U 175
160	140	120	100	<i>ejotherm</i> STR U 195
180	160	140	120	<i>ejotherm</i> STR U 215
200	180	160	140	<i>ejotherm</i> STR U 235
220	200	180	160	<i>ejotherm</i> STR U 255
240	220	200	180	<i>ejotherm</i> STR U 275
260	240	220	200	<i>ejotherm</i> STR U 295
280	260	240	220	<i>ejotherm</i> STR U 315
300	280	260	240	<i>ejotherm</i> STR U 335
320	300	280	260	<i>ejotherm</i> STR U 355
340	320	300	280	<i>ejotherm</i> STR U 375
360	340	320	300	<i>ejotherm</i> STR U 395

^{*)} to be installed plain with the surface only

¹⁾ 10 mm adhesive

²⁾ 10 mm adhesive and 20 mm old render

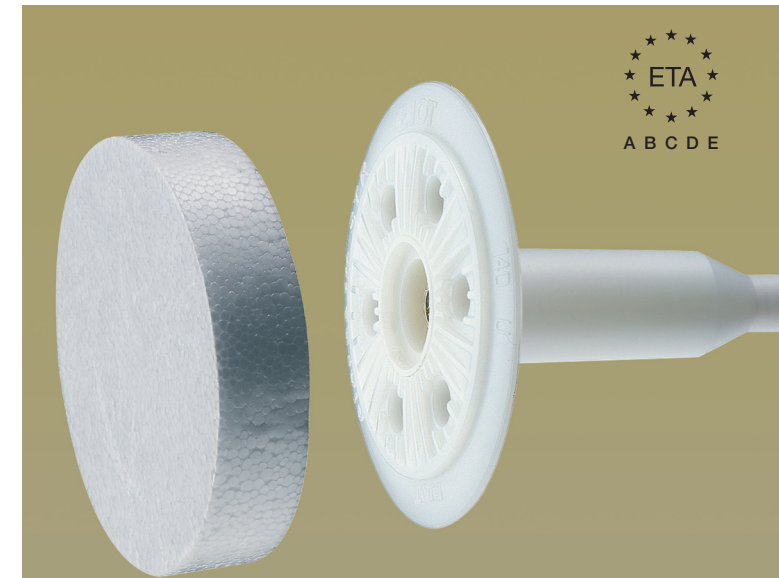
Product range *ejotherm*® STR H

Countersunk, insulation (mm)	Plain with surface, insulation (mm)	Product name and length (mm)
–	40	<i>ejotherm</i> STR H 080
–	60	<i>ejotherm</i> STR H 100
80	80	<i>ejotherm</i> STR H 120
100	100	<i>ejotherm</i> STR H 140
120	120	<i>ejotherm</i> STR H 160
140	140	<i>ejotherm</i> STR H 180
160	160	<i>ejotherm</i> STR H 200
180	180	<i>ejotherm</i> STR H 220
200	200	<i>ejotherm</i> STR H 240
220	220	<i>ejotherm</i> STR H 260
240	240	<i>ejotherm</i> STR H 280
260	260	<i>ejotherm</i> STR H 300

ejotherm STR plugs are included. Lengths 240-300 available from mid-2008.

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Probably the longest countersunk anchor in the world !

ejotherm® STR U

The cap anchor for concrete and masonry *

- with European approval for all categories of building materials
- minimum anchorage depth
- safety through highest loads
- quick and easy installation

* for wood and metal use cap anchor *ejotherm*® STR H



EJOT
STR principle