



TECHNICAL DATA SHEET

EJOTHERM[®] STR H

1. PRODUCT DESCRIPTION

Screw fastener for constructive fastening of ETICS consisting of plastic shaft with plastic plate and pre-mounted metal screw.
General technical approval: Z-9.1-822

2. FIELD OF APPLICATION

For recessed and flush mounting of insulation boards in KEIM ETIC-Systems according to system approval:
Z-33.47-727 and Z-33.47-660
Generally approved by the building authorities for: exterior walls; window and door reveals
Suitable for: wood substrates; panel material in timber construction.

3. PRODUCT PROPERTIES

- Can be used on wooden substrates (solid wood, board material in timber construction)
- especially economical
- easy to use
- No pre-drilling required
- Reliable setting control through use of the associated tool
- Optimised thermal bridges

MATERIAL CHARACTERISTICS:

- | | |
|--|---|
| - Dowel length: | 80 - 300 mm |
| - Plate diameter: | 60 mm |
| - Panel thickness: | 40 - 260 mm |
| - Dowel diameter: | 6 mm |
| - Anchorage depth: | 30 - 40 mm |
| - Point-related heat transfer coefficient (chi value): | recessed installation in wood substrates: 0.001 W/K; flush installation in wood substrates: 0.002 W/K |
| - Colour shade: | white |

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:

Check the adhesion of the insulation panels after at least 3 days. Insulation panels that are not bonded or damaged must be replaced.

APPLICATION CONDITIONS:

Ambient and substrate temperature during application and drying from min. 0 °C to max. 40 °C. Do not apply in direct sunlight or on sun-heated substrates. Protect surfaces from direct sun, wind and rain during and after application.

APPLICATION:

Combinable with the anchor plates ejotherm VT 90, ejotherm VT 2G and ejotherm SBL 140 plus. The use of system-specific tools for optimal anchor installation is recommended. Countersunk installation is only possible from 100 mm insulation panel thickness.

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DOWELING:

Anchoring is carried out in glued and dowelled ETIC systems using ETICS fasteners approved by the general building authorities or by the European authorities according to DIN EN 1991-1-4/NA. The required dowel quantity depends on the building height and the respective wind zone in which the object is located. For further information, please refer to our ETICS Technical Guide, Chapter #8, ETICS Wind Suction Loads. In only glued ETIC systems, constructive anchoring with suitable ETICS anchors is permissible.

5. PACKAGING / TECHNICAL DATA

Dowel length [mm]	Panel thickness [mm]	Pieces per unit
80	40	100
100	60	100
120	80	100
140	100	100
160	120	100
180	140	100
200	160	100
220	180	100
240	200	100
260	220	100
280	240	100
300	260	100

ORDER SIZE:

Order length of fastener = insulation material thickness + layer thickness of adhesive mortar + possibly existing thickness of old render + anchorage depth

CHARACTERISTIC LOADS ADDITIONAL INFORMATION:

* screwed through

ASSEMBLY TOOLS:

ejothem® STR-tool 2GE Torx Bit T 25 (lang)

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RELATED PRODUCTS:

Product name	Panel thickness [mm]	Pieces per unit	Type of container
STR Stopfen			Included when ordering the dowel
STR-Rondelle EPS	ab 100 mm	100	carton
STR-Rondelle EPS grau	ab 100 mm	100	carton
STR-Rondelle MW	ab 100 mm	100	carton
Dübelteller ejotherm VT 2G	ab 100 mm	100	carton
Ejotherm STR Rondelle-MW	ab 100 mm	100	carton
Ejotherm STR Rondelle-EPS grau	ab 100 mm	100	carton
Dübelteller ejotherm VT 90		100	carton
Dübelteller ejotherm SBL 140 Plus		100	carton

6. STORAGE

max. storage time	Storage conditions
no maximum storage time	dry protect against weathering

7. DISPOSAL

EC WASTE CODE:

Waste code: 17 09 04

8. SAFETY INSTRUCTIONS

no particular indications

The stated values and properties are the result of extensive development work and practical experience. Our recommendations for application, whether given verbally or in writing, are intended to provide assistance in the selection of our products and do not establish a contractual relationship. In particular, they do not release the purchaser and processor from the obligation to convince themselves of the suitability of our products for the intended application with due care, which is general practice in trade and crafts. The general rules of construction technology must be observed. We reserve the right to make modifications to improve the product or its application. This edition supersedes all earlier editions.