



## TECHNICAL DATA SHEET

# EJOTHERM<sup>®</sup> STR H A2

## 1. PRODUCT DESCRIPTION

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Screw fastener for corrosion-proof fastening of ETICS consisting of plastic shaft with plastic plate and pre-mounted metal screw.

## 2. FIELD OF APPLICATION

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For recessed and flush mounting of insulation boards in KEIM ETIC-Systems according to system approval:  
Z-33.47-727

Generally approved by the building authorities for: exterior walls; window and door reveals

Generally approved by the building authorities as per: Z-9.1-822.

Suitable for: panel material in timber construction; wood substrates.

## 3. PRODUCT PROPERTIES

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- 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
- Stainless steel screw A2 with hardened drill point
- Optimised thermal bridges

### MATERIAL CHARACTERISTICS:

- |  |   |
|--|---|
| - Dowel length:  | 80 - 220 mm   |
| - Plate diameter:                                      | 60 mm   |
| - Panel thickness:                                     | 40 - 200 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

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### 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.

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### APPLICATION:

Combinable with the anchor plates ejothem VT 90, ejothem VT 2G and ejothem 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.

### 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
80	140	100
160	120	100
180	140	100
200	160	100
220	180	100

### RELATED PRODUCTS

Product name	Panel thickness	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 ejothem VT 2G	ab 100 mm	100	carton
Ejothem STR Rondelle-MW	ab 100 mm	100	carton
Ejothem STR Rondelle-EPS grau	ab 100 mm	100	carton
Dübelteller ejothem VT 90		100	carton
Dübelteller ejothem SBL 140 Plus		100	carton

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### ORDER SIZE

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

### CHARACTERISTIC LOADS

Minimum screw-in depth [mm]
35/24*
15*
16*
16*

\* screwed through

### ASSEMBLY TOOLS

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

## 6. STORAGE

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

## 7. DISPOSAL

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Waste code: 17 09 04

## 8. SAFETY INSTRUCTIONS

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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.

