



## TECHNICAL DATA SHEET

# EJOT<sup>®</sup> DDS-Z

## 1. PRODUCT DESCRIPTION

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Steel screw with duplex coating, self-tapping thread. Only in combination with Ejot DDT. : Z-21.8-1980

## 2. FIELD OF APPLICATION

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In conjunction with Ejot DDT for secure fixing of ceiling and acoustic insulation in cracked and non-cracked concrete, Recommended anchoring base: Concrete

## 3. PRODUCT PROPERTIES

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- especially economical
- Easy installation: drill, fasten, done!
- fire behaviour: non-flammable
- For installation in cracked and non-cracked concrete

### MATERIAL CHARACTERISTICS:

- |                                         |                                       |
|-----------------------------------------|---------------------------------------|
| - Use categories according to ETA:      | A (recommended)                       |
| - Dowel length:                         | 50 - 250 mm                           |
| - Plate diameter:                       | 24 mm (Ejot DDS-z) / 70 mm (Ejot DDT) |
| - Dowel diameter:                       | 6 mm                                  |
| - Anchorage depth:                      | 25 mm                                 |
| - Drill hole depth, flush installation: | 35 mm                                 |
| - Colour shade:                         | white                                 |

## 4. APPLICATION INSTRUCTIONS

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### SUBSTRATE PREPARATION:

The substrate must be strong, dry, clean, sound and free from adhesion-reducing residues. Use in concrete substrate is generally building authority approved, other substrates on request.

### APPLICATION CONDITIONS:

Ambient and substrate temperature during application and drying must be in the range between min. 0 °C and max. 40 °C.

### APPLICATION:

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

The position of the drill hole must be coordinated with the reinforcement to avoid damage to the reinforcement. The drill hole is to be drilled at right angles to the concrete surface with carbide masonry drills.

The drill dust is to be removed from the drill hole. In case of a faulty borehole, a new borehole must be drilled at a distance of at least 2 x the depth of the faulty borehole. The insulation boards are fixed exclusively in combination with the Ejot DDT dowel plate. The EJOT DDS-Z have a self-tapping thread, an additional dowel is not required.

### DOWELING:

The minimum distance between anchor shank and board edge is min. 60 mm, the minimum distance between anchor shank and anchor shank is min. 120 mm. The use of system-specific tools for optimal anchor installation is recommended. Before setting the anchor, the EJOT DDS-Z must be pushed over the anchor shaft onto the anchor plate and, if necessary, locked into

## TECHNICAL DATA SHEET – EJOT® DDS-Z

place.

### 5. PACKAGING / TECHNICAL DATA

Panel thickness [mm]	Drill hole depth, flush installation	Drill hole depth, recessed installation	Pieces per unit
ca. 20 - 220 mm*	35 mm	-	100

### RELATED PRODUCTS

Product name	Plate diameter	Pieces per unit	Type of container
Ejot DDT	mind. 70 mm	100	carton

\*Dowel length 50 - 250 mm

### ORDER SIZE

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

Normal concrete C 20/25 - C 50/60 according to EN 206-1, rated load: 0.5 kN

### ASSEMBLY TOOLS

ejotharm® STR-Bit TX30-M8 x 52

Torx Bit T 30

### 6. STORAGE

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

### 7. DISPOSAL

Waste code: 17 09 04

### 8. SAFETY INSTRUCTIONS

No particular indications.

### 9. GENERAL INFORMATION

When installing the screw, the contractor in charge of anchoring or the site manager appointed by him or a competent representative of the site manager must be present on the construction site. This person must ensure that the work is carried out properly and must keep records of the installation of the screw. The records must be available on the construction site during the construction period and must be presented to the person in charge of the inspection upon request. They must be kept by the company for a period of at least 5 years after completion of the work, as must the delivery notes.

## TECHNICAL DATA SHEET – EJOT® DDS-Z

The tungsten carbide masonry drill bit shall comply with the specifications of the data sheet of the Institut für Bautechnik on "Characteristics, requirements and tests of masonry drill bits with cutting bodies of tungsten carbide used for making the drill holes of anchor anchorages", version January 2002. Compliance with the in accordance with the general building authority approval/ required drill characteristic values is to be proven. Drill core diameter, cutting diameter and drill hole depth must correspond to the values of the general building authority approval.

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.

