BUILDING COMMON GROUND

MAX FRANK®

## Declaration of Performance

Annex III of regulation (EU) Nr. 305/2011

CE

# Egcodübel EDV S355

### G3C-Egcodübel-EDVS355-2020

| | | |
|---|---|---|
| **1.** | **Product Type:**<br>Unique identification code of the product type | **Egcodübel EDV S355 shear dowel** |
| **2.** | **Type:**<br>Batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) | See no. 1 |
| **3.** | **Intended use:**<br>Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer | **Egcodübel EDV S355 shear dowels** are used to transfer static shear loads between reinforced concrete slabs |
| **4.** | **Name, registered trade name:**<br>Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5) | **Egcodübel EDV S355 shear dowel**<br>MAX FRANK GmbH & Co. KG,<br>Mitterweg 1, 94339 Leiblfing, Germany |
| **5.** | **Contact address:**<br>Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2) | Not relevant, see no. 4. |
| **6.** | **AVCP:**<br>System or systems of assessment and verification of constancy of performance (AVCP) of the construction product as set out in CPR, Annex V | 2+ |
| **7.** | **Notified body (hEN):**<br>In case of the declaration of performance (DoP) concerning a construction product covered by a harmonized standard | 2451<br>EN 1090-1:2009 + A1:2011 |
| **8.** | **Notified body (ETA):**<br>In case of the declaration of performance concerning a construction product for which an ETA has been issued | Not relevant |

## 9. Declared performance:

| Basic characteristics | Performance |
|---|---|
| Tolerances on dimensions and shape | EN 1090-2, D.1 |
| Weldability | NPD |
| Fracture toughness | min 27J // 20°C |

Capacities

EN 1993

| Type | $V_{Rd,s\ max}$ [1] | $V_{Rd,s\ min}$ [2] | $h_{min}$ [3] | $e_{min}$ [4] |
|---|---|---|---|---|
| [-] | [kN] | [mm] | [mm] | [mm] |
| EDV20S355 | 25,8 | 11,1 | 160 | 310 |
| EDV22S355 | 32,2 | 14,3 | 180 | 370 |
| EDV25S355 | 43,1 | 20,2 | 200 | 440 |
| EDV30S355 | 64,8 | 32,7 | 220 | 500 |

[1] $V_{Rdmax}$ valid for joint width z = 10 mm
[2] $V_{Rdmin}$ valid for joint width z = 50 mm. Other capacities / joints see technical documentation Egcodübel shear dowel
[3] The smallest plate thickness is valid for a centric placement of the dowels
[4] Min. axial distances according technical documentation / manual EDVS355 shear dowel

| | |
|---|---|
| Deflection at serviceability limit state | EN 1993 |
| Fatigue strength | NPD |
| Fire resistance | NPD |
| Reaction to fire | A1 |
| Release of cadmium and its compounds | NPD |
| Emission of radioactivity | NPD |
| Durability | Surface treatment according EN 1090-2.<br>HDG according EN 1461 |

## 10. Declaration:

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance (DoP) is issued under the sole responsibility of the manufacturer identified in point 4.
Signed for and on behalf of the manufacturer by

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Dipl. - Ing. B.Sc. Moritz Michel
Head of Technology & Innovation

Leiblfing, 27th August 2020