



DECLARATION OF PERFORMANCE
DoP No. 1343 – CPR – M561-09 - EN

1. Unique identification code of the product-type: **Toge spring anchor TS 6**
2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

ETA 11/0290, annex A2

Batch number: see packaging of the product.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

generic type	Deformation-controlled expansion anchor
for use in	Cracked and non-cracked concrete C 20/25-C 50/60 (EN 206) only for multiple point fixings for non-structural systems covered sizes: 6
option / category	Part 6
loading	static or quasi-static
material	<u>zinc-plated steel:</u> dry internal conditions only covered sizes: 6

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):
Toge Dübel A. Gerhard KG, Illesheimer Strasse 10, 90431 Nuernberg
5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): --
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: **System 2+**
7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: --
8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Deutsches Institut für Bautechnik, Berlin

has issued the following:

ETA-11/0290

on the basis of

ETAG 001-1, Part 6

The notified body **1343-CPR** performed

- i) determination of the product-type on the basis of type testing (including sampling), type calculation, tabulated values or descriptive documentation of the product ;
- ii) factory production control.
- iii) testing of samples taken at the factory in accordance with a prescribed test plan.

and has issued the following: certificate of conformity 1343-CPR-M561-09/11.14.

9. Declared performance:

Essential Characteristics	Design Method	Performance	Harmonized Technical Specification
design resistance	ETAG 001 annex C	Annex C1	ETAG 001-06
spacing and edge distance	ETAG 001 annex C	Annex C1	

Where pursuant to Article 37 or 38 in the Specific Technical Documentation has been used, the requirements with which the product complies: --

10. 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 is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:



A handwritten signature in blue ink, appearing to read 'W. Gunkel', is written over a horizontal line.

Waldemar Gunkel

Dipl.-Wirtsch.-Ing. (FH), B.Eng.

Anwendungstechnik und Technische Dokumente

Nuernberg, 2016-02-10

A handwritten signature in blue ink, appearing to read 'A. Gerhard', is written over a horizontal line.

Andreas Gerhard

CEO

Nuernberg, 2016-02-10

Table C 1: Characteristic values for design method C according ETAG 001 Annex C or for design method C according CEN/TS 1992-4

Anchorsize			TS-6
For all load directions and for all failures			
Characteristic resistance in cracked and uncracked concrete C20/25 to C50/60	F_{Rk}	[kN]	1,1
Edge distance	$c_{cr,N} = c_{min} \geq$	[kN]	100
Spacing	$s_{cr,N} = s_{min} \geq$	[kN]	200
Partial safety factor	$\gamma_2^{1)} = \gamma_{inst}^{2)}$	[-]	1,0

¹⁾ Parameter relevant only for design according to ETAG 001, Annex C

²⁾ Parameter relevant only for design according to CEN/TS 1992-4:2009

TOGE Spring Anchor TS-6

Performances

Characteristic values for design method C according to ETAG 001 or design method C according to CEN/TS 1992-4

Annex C 1