

Manufacturer : **ETANCO** (FRANCE)

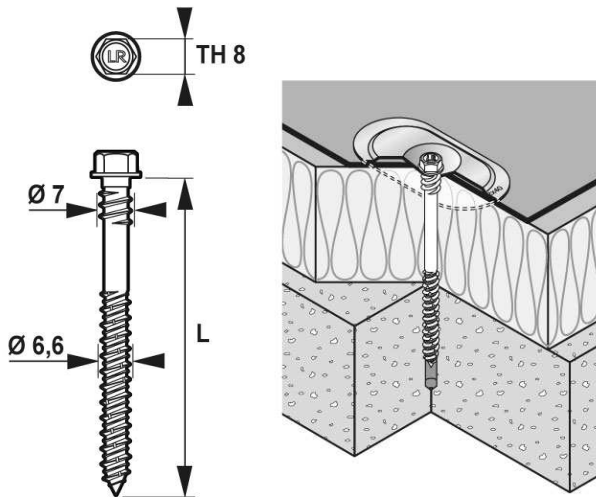
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Systems of mechanically fastened waterproofing membranes

Product name:

BETOFAST TH DF / 3C Ø 6,6 mm



Description

Double thread Blue self-tapping screw - Ø 6.6 mm
8 mm hex head with flange
Hi-low threading and flute - Pitch 3.38 mm – Sharp point

Length and thickness to clamp (mm):

L (mm)	Min thickness	Max thickness
85	55	70
95	65	80
115	85	100
125	95	110
150	120	135
170	140	155
200	170	185
230	200	215
255	225	240
280	250	265
300	270	285
320	290	305
350	320	335

Anti-corrosion level determined by Kesternich test (sulfur dioxide corrosion with general dampness condensation) in compliance with NF EN 3231 (2 l)

- **3C**: Blue **SUPRACOAT 3C** coated steel (30 Kesternich cycles)
Compliant with ETAG 006 and Class 2 UEAtc

Application

Fastening a waterproofing system with insulation on



Concrete

Anchoring depth (PA): 20 mm min to 35 mm max

Pre-drilling depth: PA + 30 mm

Pre-drilling diameter: 5 or 5.5 mm depending on concrete grade (test to be performed on site)



ATE n° 08/0239 delivered by CSTB

(see relevant fasteners on following pages)

Service limit load

(in compliance with **e -Cahiers 3563 CSTB**)

Concrete Rc23 – Drilling Ø 5 mm – Anchoring 35 mm

Q = 237 daN



Characteristic resistances Assembly for fastening - **PK** (in compliance with **NF P 30-313**)

Concrete Rc23 – Drilling Ø 5 mm – Anchoring 35 mm

PK = 560 daN



PK is test values of resistance unbuttoning fastener / plate

Q is the load limit of the anchorage according in compliance with NF E 27.815

Retain the lower of the 2 values (4.4.3.3.1 table 4 CPT 3563 CSTB)

Recommended setting tools:

- Hammer drill + SDS PLUS concrete drill tips Ø 5 or 5.5 mm
- Screwdriver power 600 W mini with torque limiter (depth control)
- 8 mm hex head nutsetter

Marking - Labeling:

On product : LR

On packaging :

BETOFAST TH DF / 3C – Ø 6,6 x L + article number

Quality control:

ISO 9001:2008

TECHNICAL DATA SHEET No. 2024 BETOFAST TH DF / 3C Ø 6,6 mm

Systems of mechanically fastened waterproofing membranes



Washer / Plate	Article no.	Characteristics	Anti-Corrosion (Kesternich)	ETA	Marking – Labelling on Packaging	Walk Resistance	Resistance to unscrewing
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Washer - 70 mm diameter

	294924	Material: Galvanized steel Thickness: 1 mm Hole Ø: 6.0 mm Recess depth: 10 mm	2 Kesternich cycles	No	Rondelle Ø70P Matière Epaisseur Ø trou Article no.		
	294925	Material: Galvanized steel Thickness: 1 mm Hole Ø: 8.0 mm Recess depth: 9.0 mm	2 Kesternich cycles	No	Rondelle Ø70P Matière Epaisseur Ø trou Article no.	No	N.A.

Plate 82 x 40 R mm

	294704	Material: Aluminium zinc coated steel AZ 150 Thickness: 1 mm Hole Ø: 6.0 mm Recess depth: 7.0 mm	15 Kesternich cycles	On concrete	Plaque 82x40R Matière Epaisseur Ø trou Article no.		
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Walk resistance: in compliance with XP P 30-317 standard

Resistance to unscrewing (in compliance with ETAG 006 and NF P 30-315): 500 cycles before 1/4 rotation and 900 cycles before 1/2 rotation

N.A.: data not available