

DECLARATION OF PERFORMANCE

N° MARCOVISFMTXT 01A EN



LR ETANCO SAS

Parc les Erables – Bât 1 – 66 route de Sartrouville – BP 49 – 78231 LE PECQ Cedex – France

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1. Unique identification code of the product-type :

FM-TXT

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

ETA-12/0388

Batch number: see packaging of the product

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

Generic type and intended use of the product	Plastic anchor for multiple use for non-structural applications, diameter Ø8
For use in	Cracked an un-cracked Concrete (Minimum C12/15 according to EN 206-1:2003)
Option / category	ETAG 020 category A
Loading	Multiple use for non-structural applications (static or quasi-static load)
Material	Sleeve : Polyamide PA 6 according to ISO 1874 Screw : Steel class 5.8-Ø6 and class 6.8-Ø7, electro-galvanized $\geq 5 \mu\text{m}$ according to EN ISO 4042 : Dry internal conditions only Screw : Stainless steel AISI316 grade A4 ($f_{uk} \geq 580 \text{ MPa}$) : internal dry conditions and external atmospheric exposure (including industrial and marine environment) or exposure in permanently damp internal conditions if no particular aggressive conditions exist.
Fire class	A1 according to EN 13501-1 for metal screw

4. Name, registered trade name or registered trade mark and contract address of the manufacturer as required pursuant to Article 11(5):

FRIULSIDER S.p.A.
Via Trieste 1
33048 San Giovanni al Natisone (UD)
Italie

5. Where applicable name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12 (2):

Not relevant

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 harmonized standard:

Not relevant

8. In case of the declaration of performance concerning a construction product for which European Technical Assessment has been issued:

Z.A.G. approval body issued ETA-12/0388 on the basis of ETAG 020.

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Z.A.G. notified body n°1404 issued according to system 2+ the certificate of conformity n° 1404-CPD-1906.

9. Declared Performances:

Essential characteristics – ETAG 020 categories A			Performance
Installation parameters			Ø8
d₀	Nominal diameter of drill bit	[mm]	8
h_{nom}	Minimum installation depth	[mm]	40
h₁	Depth of drill hole to deepest point	[mm]	50
s_{min}	Minimum spacing	[mm]	50
c_{min}	Minimum edge distance	[mm]	50
c_{cr,N}	Characteristic edge distance	[mm]	70
h_{min}	Minimum thickness	[mm]	80
Characteristic bending resistance screw in concrete			
M_{Rk,s}	Characteristic bending resistance (galvanized steel)	[kN]	4,9
M_{Rk,s}	Characteristic bending resistance (stainless steel)	[kN]	5,4
γ_M¹⁾	Partial safety factor	[-]	1,25
Characteristic tension resistance failure of screw for use in concrete			
N_{Rk,s}	Tension steel characteristic failure (galvanized steel)	[kN]	7,5
N_{Rk,s}	Tension steel characteristic failure (stainless steel)	[kN]	8,4
γ_{ms}¹⁾	Partial safety factor	[-]	1,5
Characteristic shear resistance failure of screw for use in concrete			
V_{Rk,s}	Shear steel characteristic failure (galvanized steel)	[kN]	3,8
V_{Rk,s}	Shear steel characteristic failure (stainless steel)	[kN]	4,2
γ_{ms}¹⁾	Partial safety factor	[-]	1,25
Pull-out failure (plastic sleeve) in concrete			
N_{Rk,p}	Tension characteristic load	24°C ²⁾ / 40°C ³⁾ [kN]	1,5
N_{Rk,p}	Tension characteristic load	50°C ²⁾ / 80°C ³⁾ [kN]	2,0
γ_{m,c}¹⁾	Partial safety factor	[-]	1,8
Displacement under tension and shear loading in concrete			
N	Service tension load	[kN]	0,8
δ_{N0}	Short term displacement under tension load	[mm]	0,9
δ_{N∞}	Long term displacement under tension load	[mm]	1,8
V	Service shear load	[kN]	0,8
δ_{N0}	Short term displacement under shear load	[mm]	2,5
δ_{N∞}	Long term displacement under shear load	[mm]	3,6

¹⁾ In absence of other national regulations; ²⁾ Maximum long term temperature; ³⁾ Maximum short term temperature.

We inform you that Friulsider is classified in the EC 1907/2006 Reach Directive as a Downstream-user of substances. The product supplied does not contain substances classified as SVHC according to the Candidate List in a concentration equal or greater than 0.1% (weight / weight). Article 31 is not applicable to the present product.

10. The performance of the product identified in points 1 and 2 is in conformity with declared performance in the point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and behalf of the manufacturer by:

Benoit Cheramy Product Manager	Le Pecq – France, 2013-06-21	
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