

DECLARATION OF PERFORMANCE N. CPR-IT1/0408

1) Unique identification code of the product-type: **MAPEFIX VE SF**

2) Intended uses:

Generic type	Bonded Anchor with Anchor rod of size M8 to M30 or rebar Ø8 to Ø32 for use in concrete
For use in	Non-cracked and cracked concrete C20/25 to C50/60 acc. to EN 206:2000
Loading	Static, quasi-static, seismic C1
Material	Annex A4 of ETA 11/0449: <ul style="list-style-type: none"> • Zinc-plated or hot dip galvanized steel: dry internal conditions; M8 to M30 • Stainless steel: internal and external use without particularly aggressive conditions; M8 to M30 • High corrosion resistance steel (HCR): internal and external use with particularly aggressive conditions; M8 to M30 • Reinforcing bar: Class B and C as EN 1992-1-1:2004+AC:2010, Annex C; Ø8 to Ø32
Use category	<ul style="list-style-type: none"> • Installation in dry, wet concrete: M8 to M30, Rebar from Ø8 to Ø32 • Overhead installation allowed • Flooded holes (not sea water): M8 to M16, Rebar from Ø8 to Ø16 • Hole drilling by hammer or compressed air drilled mode • Application in non-cracked concrete: M8 to M30, Rebar Ø8 to Ø32 • Application in cracked concrete: M8 to M30, Rebar Ø8 to Ø32 • Application subject to seismic action: C1 anchor rods M8 to M30 (except hot-dip galvanized rods), Rebar Ø8 to Ø32
Installation parameters	Annex B2 of ETA 11/0449
Temperature range	-40°C to +40°C (max. short term temperature +40°C, max. long term temperature +24°C) -40°C to +80°C (max. short term temperature +80°C, max. long term temperature +50°C) -40°C to +120°C (max. short term temperature +120°C, max. long term temperature +72°C)

3) Manufacturer: **MAPEI S.p.A. – Via Cafiero, 22 – 20158 Milan – Italy - www.mapei.it**

4) Systems of AVCP: **System 1**

5) European Assessment Document: **ETAG 001 part 5, Edition April, 2013 (guideline for European technical approval used according to CPR 305/2011, art. 66, 3rd subsection)**

European Technical Assessment: **ETA 11/0449 issued on 04/12/2017 (agreement used according to CPR 305/2011, art. 66, 4th subsection)**

Technical Assessment Body: **DIBt (Deutsches Institut für Bautechnik)**

Notified bodies: **Technische Universität Darmstadt Staatliche Materialprüfungsanstalt Darmstadt, N. 1343**, assessed the performance of the product on the basis of testing (including sampling), performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of constancy of performance.

6) Performances declared:

Essential characteristics	Performances
Resistance of tensile load:	ETA 11/0449, Annex C1, C2, C4
Resistance for shear load:	ETA 11/0449, Annex C1, C3, C5
Displacement for serviceability limit state:	ETA 11/0449, Annex C6, C7
Resistance to fire:	NPD
Reaction to fire:	Class A1
Dangerous substances:	NPD

7) Reaction to fire according to ETAG 001-Part 1, clauses 5.2.1 and 5.2.2. In the final application the thickness of the mortar layer is about 1 to 2 mm and most of the mortar is material classified class A1 according to EC Decision 96/603/EC. Therefore, it may be assumed that the bonding material (synthetic mortar or a mixture of synthetic mortar and cementitious mortar) in connection with the metal anchor in the end use application do not make any contribution to fire growth or to the fully developed fire and they have no influence to the smoke hazard.

8) REACH information: the information referred to Article 31 or, as appropriate, to Article 33 of the REACH Regulation (EC) no. 1907/2006 and following amendments are indicated in the safety data sheet that MAPEI makes available on the website along with this current Declaration of Performance

The performance of the product identified above is in conformity with the set of declared performances.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by: **Paolo Murelli – Corporate Quality Management**

Milan, 16/08/2018



DoP in Pdf format are available in the Mapei website.

Revision 1 notes:	Updated according to revised ETA
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MAPEFIX VE SF
CE MARKING
Annex to DoP N. CPR-IT1/0408



CE “reminder” printed on the cartridge

<div>CE</div> <div>1343</div> <div>12</div> <div>CPR-IT1/0408</div> <div>ETA 11/0449 based on ETAG001-p.5</div>		
NON-CRACKED CONCRETE	CRACKED CONCRETE	SEISMIC PERFORMANCE
M8-M30 Ø8-Ø32	M8-M30 Ø8-Ø32	M8-M30 Ø8-Ø32 C1

Note:

MAPEI supplies the current annex along with the DoP to make the consultancy of the CE marking easier for the international clients. The enclosed CE marking can be slightly different compared to the one printed on the relevant packaging or documentation because of:

- *graphic adaptations due to lack of space on the packaging or printing methods used,*
- *different language (the same packaging can be shared by several countries),*
- *the product is already in stock when the updating of the CE marking is implemented,*
- *printing mistakes.*