



## CHEMFIX PURE EPOXY 1-1, with post-installed rebar 1404-CPR-2777

Intended use or uses of the construction product according to ETAG 001 parts 1 and 5 EOTA TR023		
Generic type		Bonded anchor for post-installed rebar connections designed according EN 1992-1-1 (Eurocode 2).
Base material		Un-cracked concrete C12/15 to C50/60 according to EN 206-1 .
Use	Material	According EN 1992-1-1 annex C, tables C, tables C.1 and C.2N, bars and de-coiled rods B and C
Loading		Static or quasi-static.
Service temperature range		-40°C to 40°C (max. short term temperature +40°C and max. long term temperature +24°C).
Use category 1		Dry and wet concrete Chloride content in concrete is limited to 0.40% (Cl 0.40). Hammer drilling.
ETA - 15/0255 issued by		ETA Danmark A/S dated 04/01/2016
On the basis of		ETAG 001 Part 5 TR023 under system 1.

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

Chemfix Products Ltd, Mill Street East, Dewsbury, West Yorkshire, UK - [www.chemfix.co.uk](http://www.chemfix.co.uk)

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

Not applicable

System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V :

System 1

In case of the declaration of performance concerning a construction product covered by a harmonised standard:

Not applicable



Declaration of Performance  
**Chemfix Pure Epoxy 1-1 (Bonded anchor)**

Chemfix Products Ltd  
 Mill Street East, Dewsbury, West Yorkshire, WF12 9BQ, UK



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

ETA Danmark A/S issued ETA-15/0255 on the basis of ETAG 001  
 Part 5 TR023 under system 1.

ZAG (ID n° 1404) issued the Certificate of  
 Conformity n° 1404-CPR-2777.

9. Declared performance:

**Table C1: Design values of the ultimate bond resistance  $f_{bd}^{1)}$  in N/mm<sup>2</sup> for all drilling methods for good conditions.**

Rebar - Ø	Concrete class								
	C12/15	C16/20	C20/25	C25/30	C30/37	C35/45	C40/50	C45/55	C50/60
d <sub>s</sub>									
8 mm	1,6	2	2,3	2,7	3	3,4	3,4	3,7	3,7
10 mm	1,6	2	2,3	2,7	3	3	3	3,4	3,4
12 mm	1,6	2	2,3	2,7	2,7	2,7	2,7	3	3
14 mm	1,6	2	2,3	2,3	2,3	2,7	2,7	2,7	2,7
16 mm	1,6	2	2	2,3	2,3	2,3	2,3	2,3	2,3
20 mm	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6

1) Tabulated values are for  $f_{bd}$  are valid for good bond conditions according to EN 1992-1-1:2004. For all other bond conditions multiply the values for  $f_{bd}$  by 0,7.

**Table C2: Resistance to fire**

HARMONIZED TECHNICAL SPECIFICATION: ETAG 001 PART 1 PARAGRAPH 5.2.2 AND TECHNICAL REPORT TR020	
ESSENTIAL CHARACTERISTICS	PERFORMANCE
Resistance to fire	NPD

**Table C3: Reaction to fire**

HARMONIZED TECHNICAL SPECIFICATION: ETAG 001 PART 1 PARAGRAPH 5.2.1	
ESSENTIAL CHARACTERISTICS	PERFORMANCE
Reaction to fire	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.



Declaration of Performance  
**Chemfix Pure Epoxy 1-1 (Bonded anchor)**  
Chemfix Products Ltd  
Mill Street East, Dewsbury, West Yorkshire, WF12 9BQ, UK



The performance of the product identified above is in conformity with the set of declared performance/s.  
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 Chemfix Products Ltd by:

**Place and date of issue: Dewsbury,**

---

**Urs Joos, Commercial & Marketing Manager**