



# Declaration of Performance n° 17/0441



## Bonded anchor VINIL

Intended use of the construction product according to ETAG 029	
Generic type	Bonded anchor for threaded rods
Base material	Hollow brick (class $\geq 15$ ) according to EN 771-1
Material	<u>Threaded rod</u> Zincplated 5.8 steel according to EN ISO 898-1 <u>Washer</u> Zincplated steel $\geq 5 \mu\text{m}$ , EN ISO 4042 <u>Hexagonal bolt</u> Zincplated steel $\geq 5 \mu\text{m}$ , EN ISO 4042 class 5 EN 20898-2 <u>Sleeve</u> Polyethylene 16x85
Durability	Internal dry condition
Loads	Static, quasi static
Service temperature	From $-40^{\circ}\text{C}$ to $+80^{\circ}\text{C}$ (max. short term temperature $+80^{\circ}\text{C}$ and max. long term temperature $+50^{\circ}\text{C}$ )
Use categories	Category w/d: Wet substrate and use in structures subject to dry, internal condition
Manufacturer information	
Chemfix Products Ltd - Mill Street East - Dewsbury, West Yorkshire	
Certificate information	
<b>ETA 11/0031</b> issued by	INSTYTUT TECHNIKI BUDOWLANEJ (ITB) PL 00-611 WARSZAWA Ul. Filtrowa 1
On the basis of	ETAG 029 - EAD
Certificate of conformity <b>1404-CPR-2587</b> Issued by	ZAVOD ZA GRADBENISTVO SLOVENIJE (ZAG) Dimiceva ulica 12 1000 Ljubljana - Slovenija
Under system	1

Declared performance according to ETAG 029							
Essential Characteristics			Performance				
			M10				
Installation parameters							
$d_0$	Nominal diameter of drill bit	[mm]	16				
$h_{ef}$	Effective anchorage depth	[mm]	85				
$d_{fix}$	Diameter of clearance hole in the fixture	[mm]	12				
$T_{inst}$	Setting torque	[Nm]	4				
$s_{min}$	Minimum spacing	[-]	masonry				
$c_{min}$	Minimum edge distance	[mm]	$\geq 100$				
Characteristic tension load and shear load							
$N_{Rk}$	Characteristic resistance (tension)	[kN]	3.5				
$V_{Rk}$	Characteristic resistance (shear)	[kN]	1.25				



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$\gamma_{MS}$	Partial safety factor	[-]	2.5				
<b>Bending moment characteristic failure</b>							
$M_{Rk,s}$	Bending moment characteristic failure	[kN]	37.4				
$\gamma_{MS}$	Partial safety factor	[-]	1.25				
<b>Displacement on Tension Load</b>							
N	Service tension load	[kN]	1.3				
$\delta_{N0}$	Short term displacement under tension load	[mm]	0.06				
$\delta_{N\infty}$	Long term displacement under tension load	[mm]	0.25				
<b>Displacement on Shear load</b>							
V	Service shear load	[kN]	2.0				
$\delta_{V0}$	Short term displacement under tension load	[mm]	0.9				
$\delta_{V\infty}$	Long term displacement under tension load	[mm]	2.4				
<b><math>\beta</math> factor for job site test</b>							
$\beta$	Factor (-40°C a +80°C)	[-]	0.81				

The above performance apply for the following article numbers:

Code	Type	Capacity
18015	VINIL 300	300 ml
18011	VINIL 400	410 mi

The performances of the product identified by the above identification code are in conformity with the declared performance.

This declaration of performance is issued on the basis of the European regulation (EU) N. 305/2011, under the sole responsibility of indicated Manufacturer.

Signed for and in behalf of the manufacturer by:

Name and position	Place and date of issue	Signature
Alberto GOLDONI Legal representative	VALSAMOGGIA, 20/09/2017	