

In accordance with Annex III to Regulation (EU) No 305/2011 (Construction Products)

1343-CPR-M 626-2

Chemical injection anchors POLYMIX with styrene

1. Unique Product identification code:

Product identification code determines name of the product and tube volume in ml: Polymix SFP, EXS, TRC/ Volume (e.g. SFP 300)

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

The identification of the product is given by the lot number specified on the label together with the CE marking.

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

SFP, EXS, TRC Polymix Chemical anchors with styrene is intended for use with standard size threaded rods M8, M10, M12, M16, M20, M24 for use in non-cracked concrete. Anchors should be used only in cases of static or quasi-static variables in ribbed or plain concrete with weight and strength classes C20/25 at the minimum and C50/60 at the most. The anchor may be used in dry or wet concrete. The anchor may be used in the following temperature ranges:

I) -40 ° C to +40 ° C (maximum temperature 24 ° prolonged C, the maximum short-term temperature +40 ° C)

II) -40°C do +80°C (maximum temperature +50 °C prolonged C, the maximum short-term temperature +80 °C).

According to Annex B1 ETA-12/0451.

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

 P.H. HAMAR Sp.J. B i H Grzesiak, ul. Hutnicza 7, 81-061 Gdynia, Poland

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

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: System 1 attestation of conformity of all characteristics

7. In case of the declaration of performance concerning a construction product covered by the harmonized standard: NA

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

Institute Budownictwa Przemysłowego, European Notified Body nr 1343-CPR-M performed type testing and the initial inspection of the manufacturing plant and of the factory production control with continuous surveillance assessment and approval of the factory production control under system 1 and issued the EC Certificate of Factory Production Control No WE nr 1343-CPR-M 626-2/11.16. TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p. issued the European Technical Approval No ETA-12/0451 in 02.11.2016.

9. Declared performance:

Essentials characteristic		Performance						
Installation parameters [mm]		M8	M10	M12	M16	M20	M24	
Nominal diameter of the drill hole	$d_0 =$	10	12	14	18	24	28	
Effective anchorage depth	$h_{ef,min} =$	60	60	70	80	90	96	
	$h_{ef,max} =$	160	200	240	320	400	480	
Minimum edge distance	C_{min}	40	50	60	80	100	120	
Min. axial spacing	S_{min}	40	50	60	80	100	120	
Minimum substrate thickness	h_{min}	$h_{ef} + 3mm$ $\geq 100mm$			$h_{ef} + 2d_0$			
Torque [Nm]	T_{inst}	10	20	40	60	120	150	
Thickness of fixture	$min t_{fix} >$	0						
	$max t_{fix} <$	1500						
The minimum curing time depending on the temperature of the substrate		Polymix TRC		Polymix SFP		Polymix EXS		
		working time	min. curing time	work. time	curing time	work. time	curing time	
-5°C do -1 °C	[min]			90	360	45	240	
0 °C do +4 °C				45	180	25	120	
+5 °C do +9°C				25	120	10	60	
+10°C do +14 °C		30	300	20	100	4	35	
+15°C do +19 °C		20	210	15	80	3	25	
+20°C do +29 °C		15	145	6	45	2	15	
+30°C do +34 °C		10	80	4	25			
+35°C do +39 °C		6	45	2	20			
+40°C do +44 °C		4	25					
+45°C		2	20					
Characteristic tension resistance for steel [kN]		$N_{Rk,s}$	$A_s \times F_{uk}$					
Characteristic bond resistance in non-cracked concrete C20/25 $N_{Rk,p}$			M8	M10	M12	M16	M20	M24
Temperature range I: 40°C/24°C	dry and wet concrete	$\tau_{Rk,ucr}$ [N/mm ²]	9,5	9,0	8,5	8,5	8,0	8,0
	flooded bore hole		9,5	9,0	8,5	8,5	8,0	8,0
Temperature range II: 80°C/50°C	dry and wet concrete		8,0	8,0	7,5	7,5	7,0	7,0
	flooded bore hole		8,0	8,0	7,5	7,5	7,0	7,0

 Harmonized Technical Specification
 ETAG 001 part 1 and part 5

10. The performance of the product identified in 1 and 2 is in conformity with the declared performance in 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in 4.

Signed for and on behalf of the manufacturer by:


 M.Sc. Gustaw Derks, Quality Department

Gdynia 30.11.2016