DECLARATION OF PERFORMANCE
N° CHIMFORTPOLY 01A EN

LR ETANCO SAS
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1. Unique identification code of the product-type :

CHIMFORT POLY

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

ETA-13/1006
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:

ETA-13/1006	
Generic type and intended use of the product	**Bonded injection type anchor, sizes M8, M10 and M12**
For use in	**Hollow and solid materials (Categories B, C et W/W ou D et D/D)**
Option / category	**ETAG 029**
Loading	**Static and quasi-static**
Material	**Chemical anchor: Polyester grey or white color Perforated plastic sleeve: Polypropylene Threaded rods in carbon steel: Class 5.8 or 8.8 according to EN ISO 898-1 zinc plated steel ≥ 5 µm according to EN ISO 4042 or hot-dip galvanized ≥ 40 µm according to EN ISO 10684: internal dry conditions only Threaded rods in stainless steel: AISI316 class A4-70 according to EN ISO 3506-1: 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.**
Temperature range	**-40 °C to +80°C (max short term temperature +80°C and max long term temperature +50°C)**
Hygiene, health and environment	**See packaging of the product and Safety Data Sheet according to EC 1907/2006 - REACH**

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

LR ETANCO
66 route de Sartrouville – BP49
78231 Le Pecq Cedex
France

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 1 – ETA-13/1006

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

DECLARATION OF PERFORMANCE
N° CHIMFORTPOLY 01A EN

Not relevant

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

ZAG approval body issued ETA-13/1006 on the basis of 'ETAG 029.
CSTB notified body n°0679 issued according to system 1 the certificate of conformity n° 0679-CPR-0959.

9. Declared Performances:

ETA-13/1006					
Essential characteristics – ETAG 029			**Performances**		
Installation parameters in solid brick			**M8**	**M10**	**M12**
d_0	Nominal diameter of the drill bit	[mm]	10	12	14
h_{ef}	Effective anchoring depth	[mm]		80	
h_1	Depth of drilling	[mm]		85	
T_{inst}	Tightening torque	[Nm]	4	6	8
Installation parameters in hollow brick type 1			**M8**	**M10**	**M12**
d_0	Nominal diameter of the drill bit	[mm]		16	
d_s x l_s	Dimensions of perforated plastic sleeve	[mm]		16x85	
h_{ef}	Effective anchoring depth	[mm]		85	
h_1	Depth of drilling	[mm]		90	
T_{inst}	Tightening torque	[Nm]	4	6	8
Installation parameters in hollow brick type 2 et 3			**M8**	**M10**	**M12**
d_0	Nominal diameter of the drill bit	[mm]		16	
d_s x l_s	Dimensions of perforated plastic sleeve	[mm]		16x130	
h_{ef}	Effective anchoring depth	[mm]		130	
h_1	Depth of drilling	[mm]		135	
T_{inst}	Tightening torque	[Nm]	4	6	8
Installation parameters in hollow bloc type 4			**M8**	**M10**	**M12**
d_0	Nominal diameter of the drill bit	[mm]		16	
d_s x l_s	Dimensions of perforated plastic sleeve	[mm]		16x130	
h_{ef}	Effective anchoring depth	[mm]		130	
h_1	Depth of drilling	[mm]		135	
T_{inst}	Tightening torque	[Nm]	4	6	8
Installation parameters in autoclaved aerated concrete bloc			**M8**	**M10**	**M12**
d_0	Nominal diameter of the drill bit	[mm]	10	12	14
h_{ef}	Effective anchoring depth	[mm]		80	
h_1	Depth of drilling	[mm]		85	
T_{inst}	Tightening torque	[Nm]	2	3	5
Characteristic tension and shear load			**M8**	**M10**	**M12**
N_{rk} et V_{rk}	Solid brick - σ ≥ 1830 kg/m² / f_b = 22 N/mm²	[kN]	2,5	2,5	2,5
N_{rk} et V_{rk}	Hollow brick type 1 - σ ≥ 1305 kg/m² / f_b = 22	[kN]	1,5	1,5	1,5
N_{rk} et V_{rk}	Hollow brick type 2 - σ ≥ 650 kg/m² / f_b = 8 N/mm²	[kN]	1,5	1,2	2,0
N_{rk} et V_{rk}	Hollow brick type 3 - σ ≥ 570 kg/m² / f_b = 6 N/mm²	[kN]	1,5	1,5	2,0
N_{rk} et V_{rk}	Hollow bloc type 4 - σ ≥ 900 kg/m² / f_b = 4 N/mm²	[kN]	1,5	2,0	2,0
N_{rk} et V_{rk}	Aerated concrete - σ ≥ 350 kg/m² / f_b = 3 N/mm²	[kN]	0,9	1,2	1,2
Partial safety factor γ_M = 2,5[1)]					

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Characteristic bending moment			**M8**	**M10**	**M12**
$M_{rk,s}$	Steel class 5.8	[Nm]	20	39	68
γ_{Ms}	Partial safety factor	-		1,25	
$M_{rk,s}$	Steel class 8.8	[Nm]	30	60	105
γ_{Ms}	Partial safety factor	-		1,25	
$M_{rk,s}$	Stainless steel A4-70	[Nm]	26	52	92
γ_{Ms}	Partial safety factor	-		1,56	
Displacement under tension and shear load			**M8**	**M10**	**M12**
δ_{N0}	Solid brick – F = N_{rk} / (1,4 * γ_M)	[mm]		0,41	
$\delta_{N\infty}$	Solid brick – F = N_{rk} / (1,4 * γ_M)	[mm]		0,82	
δ_{V0}	Solid brick – F = N_{rk} / (1,4 * γ_M)	[mm]		0,71	
$\delta_{V\infty}$	Solid brick – F = N_{rk} / (1,4 * γ_M)	[mm]		1,07	
δ_{N0}	Hollow brick – F = N_{rk} / (1,4 * γ_M)	[mm]		0,57	
$\delta_{N\infty}$	Hollow brick – F = N_{rk} / (1,4 * γ_M)	[mm]		1,14	
δ_{V0}	Hollow brick – F = N_{rk} / (1,4 * γ_M)	[mm]		1,42	
$\delta_{V\infty}$	Hollow brick – F = N_{rk} / (1,4 * γ_M)	[mm]		2,13	
δ_{N0}	Autoclaved aerated concrete – F = N_{rk} / (1,4 * γ_M)	[mm]		0,64	
$\delta_{N\infty}$	Autoclaved aerated concrete – F = N_{rk} / (1,4 * γ_M)	[mm]		1,28	
δ_{V0}	Autoclaved aerated concrete – F = N_{rk} / (1,4 * γ_M)	[mm]		0,97	
$\delta_{V\infty}$	Autoclaved aerated concrete – F = N_{rk} / (1,4 * γ_M)	[mm]		1,45	
Edge distances and spacing			**M8**	**M10**	**M12**
S_{cr}	Solid brick	[mm]		20 * d	
S_{min}	Solid brick	[mm]		50	
C_{cr}	Solid brick	[mm]		10 * d	
C_{min}	Solid brick	[mm]		50	
S_{cr}	Hollow brick	[mm]		l_{unit}	
S_{min}	Hollow brick	[mm]		100	
C_{cr}	Hollow brick	[mm]		0,5 * l_{unit}	
C_{min}	Hollow brick	[mm]		100	
Scr	Autoclaved aerated concrete	[mm]		20 * d	
Smin	Autoclaved aerated concrete	[mm]		50	
Ccr	Autoclaved aerated concrete	[mm]		10 * d	
Cmin	Autoclaved aerated concrete	[mm]		50	

[1] *In absence of other national regulations.*

We inform you that LR ETANCO 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).

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, 2015-04-30	