



DICHIARAZIONE DI PRESTAZIONE

ai sensi del Regolamento (UE) n. 305/2011

N° 0065

1. Codice identificativo unico del prodotto tipo: **0065 – Ancorante Chimico CentroStorico**
2. Uso previsto del prodotto da costruzione: **Ancoranti metallici a iniezione per l'utilizzo in murature – dimensioni M6 a M12**
3. Nome e indirizzo del Fabbricante:
LATERLITE S.p.A.
Via Vittorio Veneto, 30
43046 Rubbiano di Solignano (PR)
4. Rappresentate autorizzato: **Non applicabile**
5. Sistema AVCP: **1**
6. Documento per la valutazione europea: **EAD 330076-00-0604**
Valutazione tecnica europea: **ETA-22/0490; 2022-09-05**
Organismo di valutazione tecnica: **ETA DANMARK A/S**
Organismo notificato: **1404-ZAG Ljubjana**
7. Prestazioni dichiarate:

Caratteristiche essenziali	Prestazione
Resistenza meccanica e stabilità	Vedi allegato C
Reazione al fuoco	Vedi Allegato C tabella C4
Igiene, sicurezza ed ambiente	NPA
Uso sostenibile delle risorse naturali	NPD

La prestazione del prodotto sopra identificato è conforme all'insieme delle prestazioni dichiarate. La presente dichiarazione di responsabilità viene emessa in accordo al Regolamento UE N 305/2011 sotto la sola responsabilità del fabbricante sopra identificato.

Firmato a nome e per conto del fabbricante da:
Ing. Massimo Nicolosi, Responsabile Qualità

Milano, 07 Giugno 2023, rev.01





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Table C1: Design method A, characteristic tension and shear load values

ESSENTIAL CHARACTERISTICS		PERFORMANCE			
Installation parameters		M6	M8	M10	M12
d	[mm]	6	8	10	12
d ₀ category b (solid masonry)	[mm]	8	10	12	14
d ₀ category c (hollow or perforated masonry)	[mm]	12	12	16	16
Type of plastic sleeve for use in category c		12x80	12x80	16x85	16x85
d _{fix}	[mm]	7	9	12	14
h ₁	[mm]	h _{ef} + 5 mm			
t _{fix}	Min [mm]	> 0			
	Max [mm]	≤ 1500 mm			
T _{mat} category b (solid masonry)	[Nm]	2	2	2	2
T _{mat} category c (hollow or perforated masonry)	[Nm]	1.5	1.5	1.5	1.5
S _{min} category b (solid masonry)	[mm]	240	240	255	255
C _{min} category b (solid masonry)	[mm]	120	120	127.5	127.5
S _{min} category c (hollow masonry) S _{min,}	[mm]	250	250	250	250
S _{min} category c (hollow) S _{min,⊥}	[mm]	120	120	120	120
C _{min} category c (hollow masonry)	[mm]	100	100	100	100
* Resistance for tensile and shear load Temperature range -40°C/+40°C (T _{ntp} = 24°C)		M6	M8	M10	M12
Brick n°1 (solid)	N _{Rk} [kN]	4	4	4	4
	V _{Rk} [kN]	6	6	7	7
Brick n°2 (hollow)	N _{Rk} [kN]	2	2	2	2
	V _{Rk} [kN]	2	2	2	2
* Resistance for tensile and shear load Temperature range -40°C/+80°C (T _{ntp} = 50°C)		M6	M8	M10	M12
Brick n°1 (solid)	N _{Rk} [kN]	3.5	3.5	3.5	3.5
	V _{Rk} [kN]	6	6	7	7
Brick n°2 (hollow)	N _{Rk} [kN]	1.5	1.5	1.5	1.5
	V _{Rk} [kN]	2	2	2	2
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Performance for static and quasi-static loads: Resistances		Annex C1 of European Technical Assessment ETA-22/0490			



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Table C2: Characteristic bending moments

Size			M6	M8	M10	M12
Characteristic resistance with standard threaded rod grade 4.6	$M_{Rk,s}$	[Nm]	6	15	30	52
Partial safety factor	γ_{Ms}	[-]	1,67			
Characteristic resistance with standard threaded rod grade 5.8	$M_{Rk,s}$	[Nm]	8	19	37	66
Partial safety factor	γ_{Ms}	[-]	1,25			
Characteristic resistance with standard threaded rod grade 8.8	$M_{Rk,s}$	[Nm]	12	30	60	105
Characteristic resistance with standard threaded rod grade 10.9	$M_{Rk,s}$	[Nm]	15	37	75	131
Partial safety factor	γ_{Ms}	[-]	1,25			
Characteristic resistance with standard threaded rod stainless steel A2 or A4-70 and HCR (class 70)	$M_{Rk,s}$	[Nm]	11	26	52	92
Partial safety factor	γ_{Ms}	[-]	1,56			
Characteristic resistance with standard threaded rod stainless steel A4-80 and HCR (class 80)	$M_{Rk,s}$	[Nm]	12	30	60	105
Partial safety factor	γ_{Ms}	[-]	1,33			

Table C3: Characteristic values for tension and shear load.

ESSENTIAL CHARACTERISTICS			PERFORMANCE			
* Resistance for tensile and shear load Temperature range -40°C/+40°C ($T_{mtp} = 24^\circ\text{C}$) and -40°C/+80°C ($T_{mtp} = 50^\circ\text{C}$)			M6	M8	M10	M12
γ_{Min} [-] Category w/w			2,50			
Brick n°1	$S_{gr,N}$	[mm]	240	240	255	255
	$C_{gr,N}$	[mm]	120	120	127,5	127,5
Brick n°2	$S_{gr,N, }$	[mm]	250	250	250	250
	$S_{gr,N,\perp}$	[mm]	120	120	120	120
	$C_{gr,N}$	[mm]	100	100	100	100
β coefficient for in situ test (ETAG 029 Annex B) Temperature range: -40°C/+40°C			M6	M8	M10	M12
Brick N° 1 - Solid brick	β	[-]	0,90	0,87	0,87	0,76
Brick N° 2 - Hollow/perforated brick	β	[-]	0,90	0,87	0,87	0,76
β coefficient for in situ test (ETAG 029 Annex B) Temperature range: -40°C/+80°C			M6	M8	M10	M12
Brick N° 1 - Solid brick	β	[-]	0,73	0,70	0,70	0,62
Brick N° 2 - Hollow/perforated brick	β	[-]	0,73	0,70	0,70	0,62

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Performance for static, quasi-static: Displacements

Annex C2
of European
Technical Assessment
ETA-22/0490

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Table C3 cont.: Characteristic values for tension and shear load.

Displacement under service load - Tensile load					
Temperature range -40°C/+40°C (T _{mlp} = 24°C)					
Brick n°1 – Solid brick		M6	M8	M10	M12
Admissible service load in tensile	F [kN]	1,14			
Displacement	δ _{N0} [mm]	0,09	0,09	0,04	0,04
	δ _{Nse} [mm]	0,18	0,18	0,07	0,09
Brick n°2 – Hollow/perforated brick		M6 With sleeve	M8 With sleeve	M10 With sleeve	M12 With sleeve
Admissible service load in tensile	F [kN]	0,57			
Displacement	δ _{N0} [mm]	0,10	0,17	0,17	0,14
	δ _{Nse} [mm]	0,21	0,35	0,35	0,28
Temperature range -40°C/+80°C (T _{mlp} = 50°C)					
Brick n°1 – Solid brick		M6	M8	M10	M12
Admissible service load in tensile	F [kN]	1,00			
Displacement	δ _{N0} [mm]	0,08	0,08	0,03	0,04
	δ _{Nse} [mm]	0,16	0,16	0,06	0,07
Brick n°2 – Hollow/perforated brick		M6 With sleeve	M8 With sleeve	M10 With sleeve	M12 With sleeve
Admissible service load in tensile	F [kN]	0,43			
Displacement	δ _{N0} [mm]	0,08	0,13	0,13	0,10
	δ _{Nse} [mm]	0,16	0,26	0,26	0,21
Displacement under service load Shear load					
Temperature range -40°C/+40°C (T _{mlp} = 24°C)					
Brick n°1 – Solid brick		M6	M8	M10	M12
Admissible service load in shear	F [kN]	1,71		2,00	
Displacement	δ _{V0} [mm]	0,97	0,97	1,03	0,58
	δ _{Vse} [mm]	1,45	1,45	1,55	0,87
Brick n°2 – Hollow/perforated brick		M6 With sleeve	M8 With sleeve	M10 With sleeve	M12 With sleeve
Admissible service load in shear	F [kN]	0,57			1,86
Displacement	δ _{V0} [mm]	0,74	0,84	0,84	1,52
	δ _{Vse} [mm]	1,11	1,26	1,26	2,29
Temperature range -40°C/+80°C (T _{mlp} = 50°C)					
Brick n°1 – Solid brick		M6	M8	M10	M12
Admissible service load in shear	F [kN]	1,71		2,00	
Displacement	δ _{V0} [mm]	0,97	0,97	1,03	0,58
	δ _{Vse} [mm]	1,45	1,45	1,55	0,87
Brick n°2 – Hollow/perforated brick		M6 With sleeve	M8 With sleeve	M10 With sleeve	M12 With sleeve
Admissible service load in shear	F [kN]	0,57			1,86
Displacement	δ _{V0} [mm]	0,74	0,84	0,84	1,52
	δ _{Vse} [mm]	1,11	1,26	1,26	2,29
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Performance for static, quasi-static and seismic loads: Displacements					





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Table C4: Reaction to fire.

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.

Table C5: Resistance to fire.

ESSENTIAL CHARACTERISTICS	PERFORMANCE
Resistance to fire	NPA

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Performance for static, quasi-static and seismic loads: Fire reaction and resistance

Annex C4
of European
Technical Assessment
ETA-22/0490

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