sistemi di fissaggio BOSSONG®

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FASTENING SYSTEMS SYSTEMES DE FIXATION BEFESTIGUNGSSYSTEME SISTEMAS DE FIJACIÒN

CE

DECLARATION OF PERFORMANCE
According to Construction Product Regulation n° 305/2011

DoP N°19/0347

1. Unique identification code of the product-type:

JNH-CE

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

JNH-CE external diameter x total length + type of steel
Examples: JNH-CE 10x100 or JNH-CE X2 8x80

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

Generic type and use	Nailed-in plastic anchors for fixing of external thermal insulation composite systems with rendering in concrete		
Size covered	Ø 5	Ø 6	Ø 8
hef [mm]	25	30	40
Base material and strength class	Concrete strength class (cracked and non-cracked) C16 / 20 minimum and C50 / 60 maximum, according to EN 206-1: 2000 Annex C1. Solid masonry (use category b) according to characteristics detailed in the annex at the following page (pag.2). The mortar strength class of the masonry has to be M 2,5 according to EN 998-2:2010 at minimum.		
Anchor metal material and corresponding environmental exposure	Carbon steel with $f_{y,k}$=420MPa and $f_{u,k}$=540 MPa (galvanized min. 5 m according to ISO 4042) and stainless steel A2/70 (AISI 304) according to ISO 3506-1 and EN 10088-3		
Type of loading	Static and almost static load. Wind suction loads		
Service temperature range	a) 0°C to +40°C (max. short term temperature +40°C and max. long term temperature +24°C),		
Use category	Category a, b,		

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

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

Not applicable

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

System 2+

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

Not applicable

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

ITB issued ETA-19/0347 on the basis of EAD 330196-01-0604.
ITB (n°1488) performed:
the determination of the product type on the basis of type testing (including sampling), type calculation, tabulated values or descriptive documentation of the product; the initial inspection of the factory and of the factory production control; the continuous surveillance; assessment and approval of the factory production control; under system 2+ and issue the certificate of conformity n° 1488-CPR-0596/Z.

9. Declared performance:

HARMONIZED TECHNICAL SPECIFICATION: EAD 330196-01-0604			
ESSENTIAL CHARACTERISTICS	**PERFORMANCE ACCORDING TO ETA-19/0347**		
Installation parameters	**Ø 5**	**Ø 6**	**Ø 8**
d [mm]	5	6	8
d vite [mm]	3.5	3.9	4.9
d_0 [mm]	5	6	8
d_f [mm]	35	40	50
h_1 [mm]	100	100	100
h_{eff} [mm]	100	100	100
S_{min} [mm]	100		
C_{min} [mm]	**Ø 5**		
h_{min} [mm]	5		

HARMONIZED TECHNICAL SPECIFICATION: EAD 330196-01-0604			
ESSENTIAL CHARACTERISTICS	**PERFORMANCE ACCORDING TO ETA-19/0347**		
Characteristic traction resistance Nrk	**Ø 5**	**Ø 6**	**Ø 8**
Concrete C12/15	0.45	0.55	0.65
Concrete C20/25 – C50/60	0.65	0.80	1.50
Clay bricks MZ	0.70	0.75	0.80
Calcium silicate bricks KS	0.70	0.70	0.80
γ_M	2,0		

HARMONIZED TECHNICAL SPECIFICATION: EAD 330196-01-0604						
ESSENTIAL CHARACTERISTICS	**PERFORMANCE ACCORDING TO ETA-19/0347**					
Displacement	**Nrk/3**			**δ(Nrk/3)**		
	Ø 5	**Ø 6**	**Ø 8**	**Ø 5**	**Ø 6**	**Ø 8**
Concrete C12/15	0.15	0.18	0.22	0.23	0.21	0.11
Concrete C20/25 – C50/60	0.22	0.27	0.50	0.33	0.30	0.26
Clay bricks MZ	0.23	0.25	0.27	0.37	0.23	0.68
Calcium silicate bricks KS	0.23	0.23	0.27	0.26	0.32	0.61

HARMONIZED TECHNICAL SPECIFICATION: EAD 330196-01-0604	
ESSENTIAL CHARACTERISTICS	**PERFORMANCE**
Reaction to fire	Reaction to fire class A1

HARMONIZED TECHNICAL SPECIFICATION: EAD 330196-01-0604	
ESSENTIAL CHARACTERISTICS	**PERFORMANCE**
Resistance to fire	NPA

TERMINOLOGY AND SYMBOLS	
d	Diameter of anchor bolt or thread diameter
d_0	Drill hole diameter
d_{fix}	Diameter of clearance hole in the fixture
h_{ef}	Effective anchorage depth
h_1	Depth of the drilling hole
t_{fix}	Thickness to be fixed
S_{min}	Minimum allowable spacing
C_{min}	Minimum allowable edge distance
N_{Rk}	Characteristic tensile resistance for single anchor
γ_{Mm}	Partial safety factors
F	Service load
δ_0	Short term displacement under service load
δ_∞	Long term displacement under service load
NPA	No declared assessed

Regulamentation REACH n°1907/2006

Estimate customer,
We inform you that in the REACH supply chain our company is classified as DU: Downstream-user.
About the product detailed in the point 1 we confirm you that we don't use in our production substances classified as SVHC according to the Candidate List published on ECHA site web:
http://echa.europa.eu/chem_data/candidate_list_table_en.asp.

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10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Andrea Taddei **General Manager**	**Grassobbio (Bg) - Italy** **28.08.2019**