

	DECLARATION OF PERFORMANCE According to Construction Product Regulation n° 305/2011
	DoP N°19/0347

1. Unique identification code of the product-type:
JNS-P

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):
JNS-P external diameter x total length + type of steel Examples: JNS-P 10x100 or JNS-P X2 8x80

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:
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Generic type and use	Nailed-in plastic anchors for fixing of external thermal insulation composite systems with rendering in concrete		
Size covered	Ø 6	Ø 8	Ø 10
hef [mm]	30	40	50
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 $f_{y,k}=420\text{MPa}$ and $f_{u,k}=540\text{MPa}$ (galvanized min. 5 μm 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):
Bossong S.p.A. - via Enrico Fermi 49/51 - 24050 Grassobbio (Bg) - Italy - www.bossong.com

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 6	Ø 8	Ø 10
d [mm]	6	8	10
d vite [mm]	4	6	7
d ₀ [mm]	6	8	10
d _f [mm]	6	9	11
h ₁ [mm]	40	50	60
h _{eff} [mm]	30	40	50
S _{min} [mm]	100		
C _{min} [mm]	100		
h _{min} [mm]	100		

HARMONIZED TECHNICAL SPECIFICATION: EAD 330196-01-0604

ESSENTIAL CHARACTERISTICS	PERFORMANCE ACCORDING TO ETA-19/0347		
Characteristic traction resistance Nrk	Ø 6	Ø 8	Ø 10
Concrete C12/15	0.55	0.65	1.40
Concrete C20/25 – C50/60	0.80	1.50	1.50
Clay bricks MZ	0.75	0.80	1.50
Calcium silicate bricks KS	0.70	0.80	1.50
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 6	Ø 8	Ø 10	Ø 6	Ø 8	Ø 10
Concrete C12/15	0.18	0.22	0.47	0.21	0.11	0.36
Concrete C20/25 – C50/60	0.27	0.50	0.50	0.30	0.26	0.39
Clay bricks MZ	0.25	0.27	0.50	0.23	0.68	0.20
Calcium silicate bricks KS	0.23	0.27	0.50	0.32	0.61	0.56

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.

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	