

Declaration of Performance

No. DPGEB1011 v1

ISOFIS ISA8 plastic anchor for insulation

Intended use of the construction product according to ETA-09/0001			
Generic type	plastic anchor for the anchorage of external thermal insulation composite systems		
Base material	concrete, masonry		
Loading	the anchor may only be used for transmission of wind suction loads and not for the transmission of dead loads of the thermal insulation system; the dead loads have to be transmitted by the bonding of the thermal insulation system		
Use categories	A: normal weight concrete class from C12/15 to C50/60 according to EN 206-1		
	B: solid masonry solid clay bricks		
	according to	standard	EN 771-1
	minimum density	ρ [kg/dm ³]	1.77
	minimum compressive strength	f_b [N/mm ²]	22.4
	C: hollow or perforated masonry vertically perforated clay bricks		
	according to	standard	EN 771-1
	minimum density	ρ [kg/dm ³]	1.13
	minimum compressive strength	f_b [N/mm ²]	18.5
	D: lightweight aggregate concrete		
	according to	standard	EN 771-3
	minimum density	ρ [kg/dm ³]	1.2
	minimum compressive strength	f_b [N/mm ²]	12.5
	E: autoclaved aerated concrete		
	according to	standard	EN 771-4
	minimum density	ρ [kg/dm ³]	0.6
minimum compressive strength	f_b [N/mm ²]	5.0	

ETA-09/0001 issued by Instytut Techniki Budowlanej (ITB) on the basis of ETAG 014, Certificate of Conformity 1488-CPD-0035/Z issued by Instytut Techniki Budowlanej under AVCP System 2+.

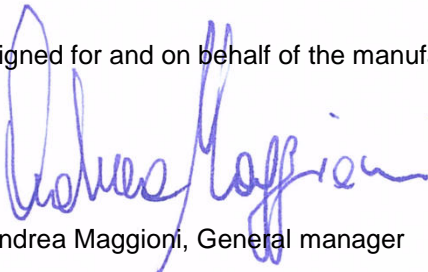
Declared performances according to ETAG 014:2002, ETA-09/0001			
Essential Characteristics			Performance
<i>Installation parameters</i>			
d_0	Hole diameter	[mm]	8
h_1	Minimum hole depth	[mm]	60
h_{ef}	Effective anchorage depth	[mm]	50
h_{min}	Minimum thickness of base material	[mm]	100
s_{min}	Minimum spacing	[mm]	100
c_{min}	Minimum edge distance	[mm]	100

<i>Characteristic resistance to tension loads for single anchor</i>			
N_{Rk}	Characteristic resistance in concrete C12/15	[kN]	0.40
N_{Rk}	Characteristic resistance in concrete C20/25 ÷ C50/60	[kN]	0.60
N_{Rk}	Characteristic resistance in solid clay bricks	[kN]	0.40
N_{Rk}	Characteristic resistance in vertically perforated clay bricks	[kN]	0.30
N_{Rk}	Characteristic resistance in lightweight aggregate concrete	[kN]	0.40
N_{Rk}	Characteristic resistance in autoclaved aerated concrete	[kN]	0.40
γ_M	Partial safety factor	[-]	2.0
<i>Point thermal transmittance according to TR 025</i>			
χ	point thermal transmittance	[W/K]	0.003
<i>Plate resistance according to TR 026</i>			
d	diameter of the anchor plate	[mm]	60
$N_{u,m}$	load resistance of the anchor plate	[kN]	1.53
$N_{o,m}$	plate stiffness	[kN/mm]	0.50

The performance of the product above identified is in conformity with the declared performance.

This declaration of performance is issued under the sole responsibility of G&B Fissaggi S.r.l.

Signed for and on behalf of the manufacturer by:



Andrea Maggioni, General manager

Villastellone, 1 Luglio 2013



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