



DECLARATION OF PERFORMANCE
According to EU 305/2011, Annex V
NO: 2

1. Identification code of the product type:
SP Star Steel Nail Anchor (200-220-240-260-280-300mm), anchor diameter 10 mm, plate diameter 60mm
2. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:
Steel nailed-in anchors for fixing of external thermal insulation composite systems with rendering in concrete, brick, aerated concrete, and lightweight concrete block
3. Name and address of the manufacturer:
STAR PLASTİK YAPI ELEMANLARI İZOLASYON MALZEMELERİ SANAYİ VE TİC. A.Ş.
Ortaköy Merkez mahallesi Dumlupınar Caddesi No:44
SİLİVRİ / İSTANBUL
4. Name and address of the authorized representative:

5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:
System 2+
6. Harmonized Standard:
EAD-3301196-01-0604 EOTA (ETAG024)
TZUS s.p.- NB 1020 performed Factory Production Control (FPC) under system2+ and issued certificate of consistency of performance 1020-CPR-xxx-xxxxxx and evaluation report No: xxx-xxxxxx

LEISTUNGSERKLÄRUNG

Dämmstoff-Schlagdübel für verputzte Außenwanddämmungen

Insulation impact dowels for plastered outer wall insulation

Art.-Nr. 15282 - 15287 | Nr. LE_15282-287_Sdl2_2502



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Table 5.1 Q60*10 SP STAR STEEL NAIL ANCHOR

Pos.	Material/test	n	$N^{1R_{u,m}}$ [kN]	$v(N^{1R_{u,m}})$ [%]	$\delta(N^{1R_{u,m}})$ [mm]	$N^{1R_{t,k}}$ [kN]	α_{reg}	$\alpha(N^{1R_{u,m}})$	$\alpha(N^{1R_{t,k}})$	α/α_{reg}	
1a	Concrete C20/25	5	0,84	4,89	8,35	0,70					
1b	Concrete C50/60	5	0,85	4,71	7,71	0,72					
1c	Solid clay bricks	10	0,75	2,77	8,80	0,69					
1d	Vertical perforated clay brick	10	0,39	9,51	2,70	0,29					
1e	Lightweight concrete block (LAC)	10	0,71	5,14	9,11	0,61					
2a	Concrete C20/25	5	0,84	2,99	6,50	0,76	$\geq 0,9$	1,00	1,09	1	
2d	Vertical perforated clay brick	5	0,44	10,55	3,07	0,28	$\geq 0,9$	1,13	¹⁾	1	
2e	Lightweight concrete block (LAC)	5	0,73	2,54	10,60	0,66	$\geq 0,9$	1,03	¹⁾	1	
3a	Functioning, depending on the diameter of drill bit (C20/25):	10,20 mm	5	0,87	6,08	8,90	0,69	$\geq 1,0$	1,04	0,99	1
10,40 mm		5	0,83	3,19	8,73	0,74	$\geq 0,8$	0,99	1,06		
3e	Functioning, depending on the diameter of drill bit (LAC):	10,20 mm	5	0,71	5,19	10,20	0,58	$\geq 1,0$	1,00	¹⁾	1
10,40 mm		5	0,72	2,35	9,68	0,66	$\geq 0,8$	1,01	¹⁾		
5a	Functioning, effect of temperature (C20/25):	0°C	5	1,08	4,11	7,49	0,93	$\geq 1,0$	1,29	1,33	0,93
40°C		5	0,63	5,31	7,02	0,52	$\geq 0,8$	0,75	0,74		
5e	Functioning, effect of temperature (LAC):	0°C	5	0,92	3,38	8,53	0,82	$\geq 1,0$	1,30	¹⁾	0,90
40°C		5	0,53	4,98	11,08	0,44	$\geq 0,8$	0,75	¹⁾		
6a	Functioning under repeated loads (C20/25)	3	0,87	-	-	-	$\geq 1,0$	1,04	-	1	
6e	Functioning under repeated loads (LAC)	3	0,73	-	-	-	$\geq 1,0$	1,03	-	1	
7a	Functioning, Relaxation 500 h (C20/25)	5	0,90	3,01	7,19	0,81	$\geq 1,0$	1,07	1,16	1	
7e	Functioning, Relaxation 500 h (LAC)	5	0,70	3,63	9,42	0,61	$\geq 1,0$	0,99	¹⁾	0,99	

¹⁾ not applicable, since number of tests is different and the coefficient of variation is $v \leq 15\%$ (according to EAD 330196-01-0604)

Signed for and on behalf of the manufacturer by

Name And Function: MURAT KORUKCUOGLU / QUALITY SYSTEM MANAGER

Place And Date of Issue: SİLİVRİ İSTANBUL / 21.11.2024

Signature: