

DECLARATION OF PERFORMANCE

We hereby declare that our standard masonry support system,
Ancon Optima
 conforms to the provisions of Annex ZA, EN 1090-1:2009+A1:2011.
 System 2+



Declaration Number:	L0500-04-CE
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Initial inspection and continuous surveillance, assessment and approval of the Factory Production Controls (FPC) is conducted by,

Notified Body:	BSI Group The Netherlands B.V. Say Building, John M. Keynesplein 9, 1066 EP. Amsterdam
Notified Body Number:	2797
FPC Certificate Number:	2797 – CPR – 708769

Structural Characteristics	
Load Bearing:	As shown below

Ancon Optima 6 for cavity widths 60-130mm

Fixing	Min. top edge (mm)	Min. slab depth (mm)	Maximum unfactored load (kN/m) for various cavity widths (mm)															
			60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	
30/20 channel	75	215																6.0
FAZ II Plus 12/30	75	215																6.0
	105	245																6.0
M12 Steelgrip™	-	-																6.0
M12 Setscrew	-	-																6.0

Ancon Optima 6 for cavity widths 135 - 200mm

Fixing	Min. top edge (mm)	Min. slab depth (mm)	Maximum unfactored load (kN/m) for various cavity widths (mm)															
			135	140	145	150	155	160	165	170	175	180	185	190	195	200		
30/20 channel	75	215			6.0		5.9	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0		
FAZ II Plus 12/30	75	215																6.0
	105	245																6.0
M12 Steelgrip™	-	-																6.0
M12 Setscrew	-	-																6.0

DECLARATION OF PERFORMANCE

Ancon Optima 8 for cavity widths 60-130mm

Fixing	Min. top edge (mm)	Min. slab depth (mm)	Maximum unfactored load (kN/m) for various cavity widths (mm)													
			60	65	70	75	80	85	90	95	100	105	110	115	120	125
30/20 channel	75	215	8.0												7.8	7.7
FAZ II Plus 12/30	75	215	8.0													
	105	245	8.0													
M12 Steelgrip™	-	-	8.0													
M12 Setscrew	-	-	8.0													

Ancon Optima 8 for cavity widths 135-200mm

Fixing	Min. top edge (mm)	Min. slab depth (mm)	Maximum unfactored load (kN/m) for various cavity widths (mm)														
			135	140	145	150	155	160	165	170	175	180	185	190	195	200	
30/20 channel	75	215	7.5	7.4	7.2	7.1	6.9	6.8	6.7	6.5	6.4	6.3	6.2	6.1	6.0	5.9	
FAZ II Plus 12/30	75	215	8.0							7.9	7.7	7.6	7.5	7.3	7.2		
	105	245	8.0														
M12 Steelgrip™	-	-	8.0														
M12 Setscrew	-	-	8.0														

Ancon Optima 10 for cavity widths 60-130mm

Fixing	Min. top edge (mm)	Min. slab depth (mm)	Maximum unfactored load (kN/m) for various cavity widths (mm)															
			60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	
30/20 channel	75	215	10.0												9.9	9.6	9.4	9.2
FAZ II Plus 12/30	75	215	10.0															
	105	245	10.0															
M12 Steelgrip™	-	-	10.0															
M12 Setscrew	-	-	10.0															

Ancon Optima 10 for cavity widths 135-200mm

Fixing	Min. top edge (mm)	Min. slab depth (mm)	Maximum unfactored load (kN/m) for various cavity widths (mm)															
			135	140	145	150	155	160	165	170	175	180	185	190	195	200		
30/20 channel	75	215	9.0	8.8	8.7	8.5	8.3	8.2	8.0	7.9	7.7	7.6	7.4	7.3	7.2	7.0		
FAZ II Plus 12/30	75	215	10.0							9.9	9.8	9.6	9.4	9.2	9.1	8.9	8.7	8.6
	105	245	10.0															
M12 Steelgrip™	-	-	10.0															
M12 Setscrew	-	-	10.0															

DECLARATION OF PERFORMANCE

Ancon Optima 12 for cavity widths 60-130mm

Fixing	Min. top edge (mm)	Min. slab depth (mm)	Maximum unfactored load (kN/m) for various cavity widths (mm)																
			60	65	70	75	80	85	90	95	100	105	110	115	120	125	130		
30/20 channel	75	215	10.2	12.0	11.8	11.6	11.3	11.1	10.9	10.6	10.4	10.2	10.0	9.8	9.6	9.4	9.2		
FAZ II Plus 12/30	75	215	10.2							12.0							11.7	11.5	11.2
	105	245	10.2											12.0					
M12 Steelgrip™	-	-	10.2											12.0					
M12 Setscrew	-	-	10.2											12.0					

Ancon Optima 12 for cavity widths 135-200mm

Fixing	Min. top edge (mm)	Min. slab depth (mm)	Maximum unfactored load (kN/m) for various cavity widths (mm)													
			135	140	145	150	155	160	165	170	175	180	185	190	195	200
30/20 channel	75	215	9.0	8.8	8.7	8.5	8.3	8.2	8.0	7.9	7.7	7.6	7.4	7.3	7.2	7.0
FAZ II Plus 12/30	75	215	11.0	10.8	10.6	10.3	10.1	9.9	9.8	9.6	9.4	9.2	9.1	8.9	8.7	8.6
	105	245	12.0			11.8	11.6	11.4	11.2	11.0	10.8	10.6	10.4	10.3	10.1	
M12 Steelgrip™	-	-	12.0	11.9	11.7	11.6	11.5	11.3	11.2	11.1	11.0	10.8	10.7	10.6		
M12 Setscrew	-	-	12.0													

Ancon Optima 14 for cavity widths 60-130mm

Fixing	Min. top edge (mm)	Min. slab depth (mm)	Maximum unfactored load (kN/m) for various cavity widths (mm)															
			60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	
30/20 channel	75	215	12.8	14.0				13.9	13.6	13.3	13.0	12.8	12.5	12.2	12.0	11.8	11.5	
FAZ II Plus 12/30	75	215	12.8							14.0							13.7	
	105	245	12.8											14.0				
M12 Steelgrip™	-	-	12.8											14.0				
M12 Setscrew	-	-	12.8											14.0				

Ancon Optima 14 for cavity widths 135-200mm

Fixing	Min. top edge (mm)	Min. slab depth (mm)	Maximum unfactored load (kN/m) for various cavity widths (mm)													
			135	140	145	150	155	160	165	170	175	180	185	190	195	200
30/20 channel	75	215	11.3	11.1	10.8	10.6	10.4	10.2	10.0	9.8	9.7	9.5	9.3	9.1	9.0	8.8
FAZ II Plus 12/30	75	215	13.5	13.2	12.9	12.7	12.4	12.2	12.0	11.8	11.5	11.3	11.1	10.9	10.8	10.6
	105	245	14.0						13.9	13.7	13.5	13.3	13.0	12.8	12.6	
M12 Steelgrip™	-	-	14.0						13.9	13.7	13.6	13.4	13.3			
M12 Setscrew	-	-	14.0													

Notes to above tables: Tables for straight runs only and based on C30/37 concrete, cracked. For guidance on corner arrangements, please contact us. Minimum slab thickness assumes the support angle is level with the bottom of the slab. A thicker slab will be required where this is not the case. FAZ II Plus 12/30 is an Ancon High Performance Bolt.

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Design:	According to EN 1993 (EC3)
Manufacturing:	According to EN 1090-2: Execution Class 2 (EXC2)
Resistance to Fire:	NPD
Fatigue Strength:	NPD
Material Characteristics	
Tolerances on Dimensions:	According to EN 1090-2
Weldability:	Stainless Steel 1.4301/1.4307, according to EN 10088-2
Fracture Toughness:	Minimum 60J at 20°C
Reaction to Fire:	Classified: Class A1
Release to Cadmium:	NPD
Emission of Radioactivity:	NPD
Durability:	Uncoated: NPD
Conditions	
Products/Systems should be stored and installed to the layout drawings and/or other instructions issued by Leviat	

Signed for and on behalf of the manufacturer by



 Rune Magnusson
 Regional Managing Director, UK & Asia
 15th November 2024

Manufactured by;

Leviat Limited
 President Way
 President Park
 Sheffield, S4 7UR
 United Kingdom