

## DECLARATION OF PERFORMANCE

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



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

Approved Body:	BSI Assurance UK Ltd. Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP
Approved Body Number:	0086
FPC Certificate Number:	0086 – CPR – 744449

<b>Structural Characteristics</b>	
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
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																					

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## 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																			

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## 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																	
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																
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.

## DECLARATION OF PERFORMANCE

Design:	According to EN 1993 (EC3)
Manufacturing:	According to EN 1090-2: Execution Class 2 (EXC2)
Resistance to Fire:	NPD
Fatigue Strength:	NPD
<b>Material Characteristics</b>	
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
<b>Conditions</b>	
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



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

Manufactured by;

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