

Declaration of Performance

Declaration No. **001MS2018**

IG TITAN SYSTEM

IG Masonry Support Systems hereby declares that the following standard masonry support system, **TITAN**, conforms to the provisions of Annex ZA, BS EN 1090-1:2009+A1:2011.

Product Identification: IG Titan System (Titan 8, Titan 10, Titan 12, Titan 14).

Intended Use: Titan is a structural stainless steel construction product intended for use within cavity wall construction in steel, concrete or timber frame buildings. The components can be made from cold formed or hot rolled plate.

Manufacturer: IG Masonry Support Systems, Ryder Close, Cadley Hill Industrial Estate, Swadlincote, South Derbyshire, DE 11 9EU.

System of Assessment and Verification: System 2+.

Harmonised standard: BS EN 1090-1: 2009 + A1:2011.

IG Titan 8

Fixing	Min. Top Edge (mm)	Min. Slab (mm)	Maximum unfactored load (kN/m) for cavity widths (mm)																
			70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150
FAZII 12/20	75	215	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
FBNII 12/20	75	215	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
M12 Setscrew	-	-	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
RG M	75	200	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
HD Bolt	-	-	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8

IG Titan 10

Fixing	Min. Top Edge (mm)	Min. Slab (mm)	Maximum unfactored load (kN/m) for cavity widths (mm)																
			70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150
FAZII 12/20	75	215	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
FBNII 12/20	75	215	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
M12 Setscrew	-	-	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
RG M	75	200	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
HD Bolt	-	-	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

IG Titan 12

Fixing	Min. Top Edge (mm)	Min. Slab (mm)	Maximum unfactored load (kN/m) for cavity widths (mm)																
			70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150
FAZII 12/20	75	215	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
FBNII 12/20	75	215	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
M12 Setscrew	-	-	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
RG M	75	200	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
HD Bolt	-	-	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

IG Titan 14

Fixing	Min. Top Edge (mm)	Min. Slab (mm)	Maximum unfactored load (kN/m) for cavity widths (mm)																
			70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150
FAZII 12/20	75	215	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
FBNII 12/20	75	215	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
M12 Setscrew	-	-	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
RG M	75	200	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
HD Bolt	-	-	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14

Note: Tables for straight runs only and based on C30/37 concrete, uncracked. For guidance on corner arrangements please contact IG. Titan should be stored and installed to IG's instructions.

The performance of the product identified above is in conformity with the set of declared performances. This declaration is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Andy Neal
Managing Director.

Signed on 31/10/18 at IG Masonry Support Systems
Ryder Close, Cadley Hill Industrial Estate
Swadlincote, South Derbyshire, DE11 9EU



Notified Body

BBA
British Board of Agreement
Bucknalls Lane
Watford
WD25 9BA

Notified Body Number:
0836

FPC Certification Number:
0836-CPR-14/F106

Declaration Method:

1 and 3a according to table A.1: BS
EN 1090-1: 2009 +A1: 2011

Declared Performances:

Load bearing capacity as shown in tables

Essential 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 20DegC

Reaction to Fire
Classified: Class A1

Design:
According to EN 1993 (EC3)

Manufacturing:
According to EN 1090-2:
Execution Class 2 (EXC2)

Durability
Uncoated: NPD

Fatigue Strength
NPD

Release of Cadmium
NPD

Emission of Radioactivity
NPD

Durability
Uncoated: NPD

Load Bearing Capacity
As shown in tables

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