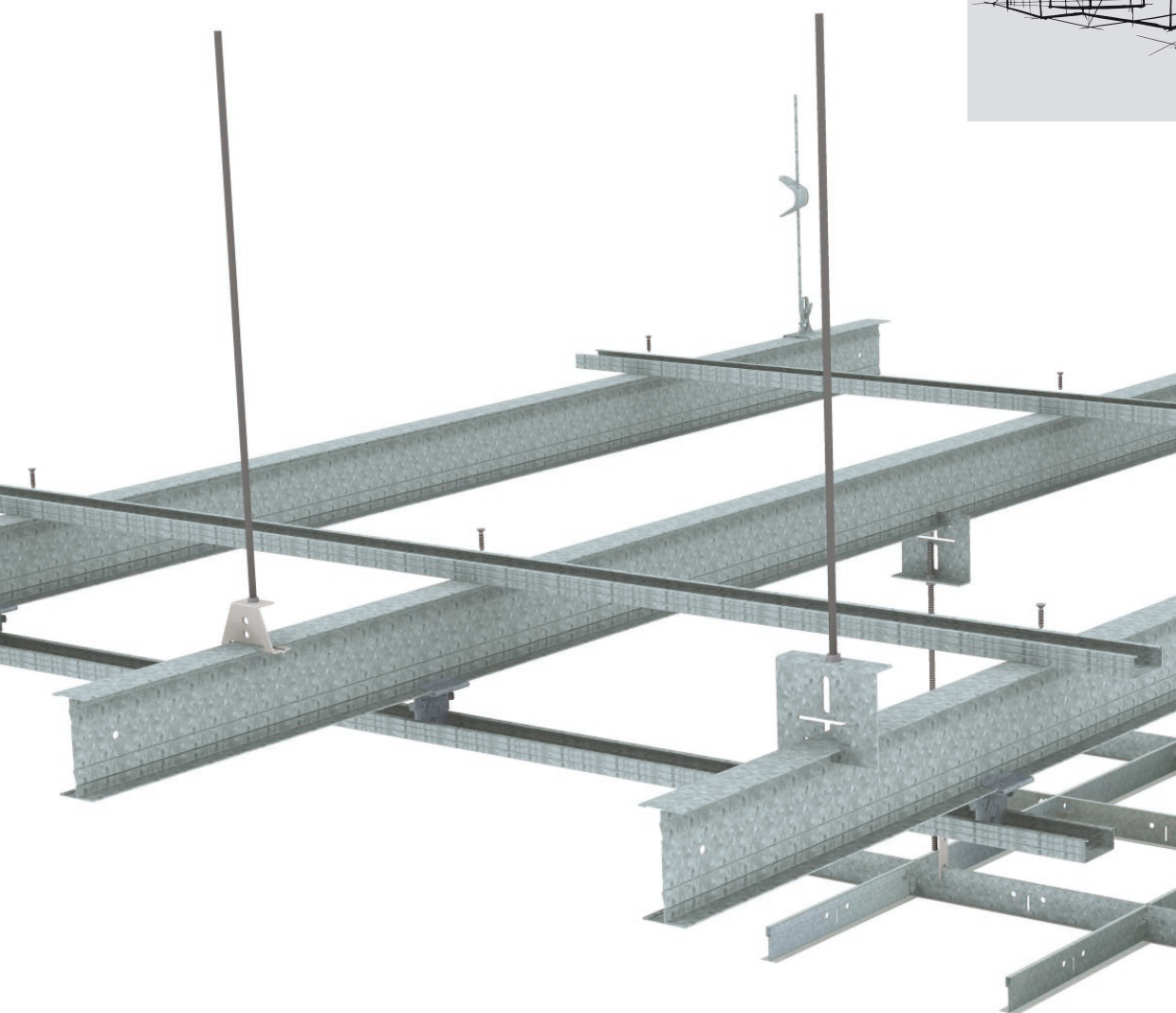
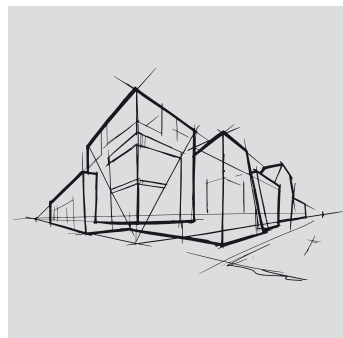


Chicago Metallic™ Primary Structure I-profiles

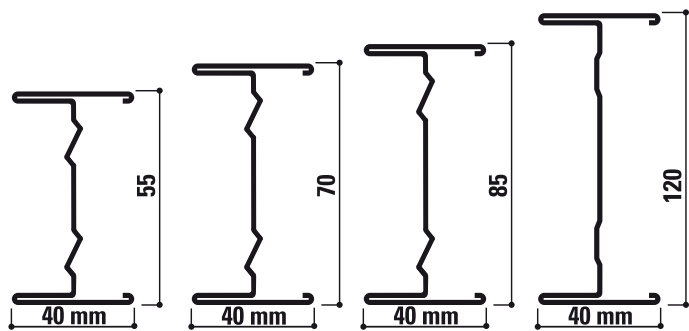
Datasheet



Chicago Metallic™ Primary Structure I-profiles

- A fully galvanised solution for spanning wall to wall or greater distances
- This solution, used as a sub-grid, is supplied with a variety of accessories to make installation easy
- Various profiles to accommodate different span distances using standard to heavy weight tiles
- Excellent reaction to fire (Class A1) and Corrosion Class B

Cross-section



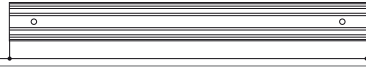
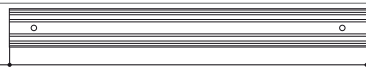
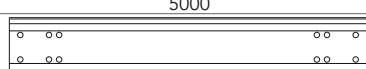
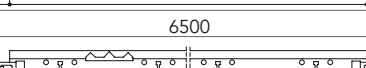
Assortment

Product group		Component description	Height (mm)	Length (mm)	Colour	Pcs per pack	Lm per pack	Kg per pack	Carton per pallet	Kg per pallet
Main runner										
I40x55		Primary I-runner 55mm	55	5000	00	5	25	19.8	40	793
I40x70		Primary I-runner 70mm	70	5000	00	5	25	21.5	40	858
I40x85		Primary I-runner 85mm	85	5000	00	4	20	18.5	40	739
I40x120		Primary I-runner 120mm	120	6500	00	1	6.5	15.1	50	15
T24 MR CL&HK		Main runner T24 Click / Hook	38	3600	001, 11, 88, Color-all	15	54	19.5	70	1363
Accessories										
I40x55 LC		Length coupling for primary I-runner 55mm		150		50		3.3		
I40x70 LC		Length coupling for primary I-runner 70mm		150		50		3.6		
I40x85 LC		Length coupling for primary I-runner 85mm		150		50		4.2		



Product group		Component description	Height (mm)	Length (mm)	Colour	Pcs per pack	Lm per pack	Kg per pack	Carton per pallet	Kg per pallet
I40x120 LC		Length coupling for primary I-runner 120mm		250		25		6.7		
HC I M6 1		Hanger bracket for primary I-runner 55, 70, 85, 100 and 120mm				50		5		
WC I		Universal wall connector / bracket for primary I-runner 55, 70, 85, 100 and 120mm				50		3.6		
FC I T/EYE		Suspension clip for primary I-runner 55, 70, 85, 100 and 120mm				100		5.9		

Position of slots and suspension holes

Product group	Component description	Height (mm)	Length (mm)	Slots	Distance between slots (mm)
I40x55	Primary I-runner 55mm	55	5000	0	 5000
I40x70	Primary I-runner 70mm	70	5000	0	 5000
I40x85	Primary I-runner 85mm	85	5000	0	 5000
I40x120	Primary I-runner 120mm	120	6500	0	 6500
T24 MR CL&HK	Main runner T24 Click / Hook	38	3600	36	 50 / 100 / 34 x 100 / 50

For profiles I55, I70 & I85, special lengths are available upon request.

Performance



Load bearing capacity

Load bearing capacity for Primary I-runner 55mm

Max. span (mm) - max. deflection = L/300										
Axis/axis distance	Max. distance between hangers in mm									
	kg/m ² of ceiling									
	3	4	5	6	7	8	9	10	12	14
600	5000	5000	4650	4400	4150	4000	3850	3700	3500	3300
700	5000	4750	4450	4150	3950	3800	3650	3500	3300	3150
800	5000	4550	4150	4000	3800	3600	3500	3350	3150	3000
900	4850	4400	4050	3850	3650	3500	3350	3250	3050	2900
1000	4650	4250	3950	3700	3500	3350	3250	3100	2950	2800
1200	4400	4000	3700	3500	3300	3150	3050	2950	2750	2600
1300	4250	3900	3600	3400	3200	3050	2950	2850	2700	2550
1400	4150	3800	3500	3300	3150	3000	2900	2800	2600	2500
1500	4050	3700	3450	3250	3050	2950	2800	2700	2550	2450
2000	3700	3350	3100	2950	2800	2650	2550	2450	2300	2200

Load bearing capacity for Primary I-runner 70mm

Max. span (mm) - max. deflection = L/300										
Axis/axis distance	Max. distance between hangers in mm									
	kg/m ² of ceiling									
	3	4	5	6	7	8	9	10	12	14
600	5000	5000	5000	5000	4950	4750	4550	4400	4150	3950
700	5000	5000	5000	4950	4700	4500	4350	4200	3950	3750
800	5000	5000	5000	4750	4500	4300	4150	4000	3750	3550
900	5000	5000	4850	4550	4350	4150	4000	3850	3600	3450
1000	5000	5000	4700	4400	4200	4000	3850	3700	3500	3300
1100	5000	4900	4550	4250	4050	3900	3750	3600	3400	3200
1200	5000	4750	4400	4150	3950	3750	3600	3500	3300	3100
1300	5000	4600	4300	4050	3850	3650	3500	3400	3200	3050
1400	4950	4500	4200	3950	3750	3550	3450	3300	3100	2950
1500	4850	4400	4100	3850	3650	3500	3350	3250	3050	2900
2000	4400	4000	3700	3500	3300	3150	3050	2950	2750	2650

Load bearing capacity for Primary I-runner 85mm

Max. span (mm) - max. deflection = L/300										
Axis/axis distance	Max. distance between hangers in mm									
	kg/m² of ceiling									
	4	5	6	7	8	9	10	12	14	16
600	5000	5000	5000	5000	5000	5000	5000	5000	4750	4550
700	5000	5000	5000	5000	5000	5000	5000	4750	4500	4300
800	5000	5000	5000	5000	5000	5000	4800	4550	4300	4100
900	5000	5000	5000	5000	5000	4800	4650	4350	4150	3950
1000	5000	5000	5000	5000	4800	4650	4450	4200	4000	3800
1100	5000	5000	5000	4850	4650	4500	4300	4050	3850	3700
1200	5000	5000	5000	4750	4550	4350	4200	3950	3750	3600
1300	5000	5000	4850	4600	4400	4250	4100	3850	3650	3500
1400	5000	5000	4750	4500	4300	4150	4000	3750	3550	3400
1500	5000	4900	4650	4400	4200	4050	3900	3650	3500	3350
2000	4800	4450	4200	4000	3800	3650	3550	3350	3150	3000

Load bearing capacity for Primary I-runner 120mm

Max. span (mm) - max. deflection = L/300										
Axis/axis distance	Max. distance between hangers in mm									
	kg/m² of ceiling									
	3	4	5	6	7	8	9	10	12	14
600	6500	6500	6500	6500	6500	6500	6500	6500	6500	6500
700	6500	6500	6500	6500	6500	6500	6500	6500	6500	6500
800	6500	6500	6500	6500	6500	6500	6500	6500	6500	6500
900	6500	6500	6500	6500	6500	6500	6500	6500	6500	6500
1000	6500	6500	6500	6500	6500	6500	6500	6500	6500	6500
1100	6500	6500	6500	6500	6500	6500	6500	6500	6500	6250
1200	6500	6500	6500	6500	6500	6500	6500	6500	6400	6100
1300	6500	6500	6500	6500	6500	6500	6500	6500	6250	5950
1400	6500	6500	6500	6500	6500	6500	6500	6500	6100	5800
1500	6500	6500	6500	6500	6500	6500	6500	6350	5950	5650
2000	6500	6500	6500	6500	6500	6200	5950	5750	5400	5150



Reaction to fire

A1



Corrosion Resistance

B



Environment

Fully recyclable



Understanding the performance of Chicago Metallic™ grids and accessories



Reaction to fire

Reaction to fire is classified in accordance with EN 13501-1. Chicago Metallic steel grids and accessories are non-combustible.



Fire resistance

A range of Chicago Metallic steel grids are tested in combination with different Rockfon tiles and are classified in accordance with European norm EN 13501-2 and/or national norms.



Colours

Chicago Metallic grids are available in various colours based on the RAL and NCS systems measured in accordance with the ISO 7724-2 and ISO 7724-3 standards. The actual colours may deviate slightly from the close RAL and NCS references. Chicago Metallic Grids are available in low, medium and high gloss finishings with a respectively average of <5, 15 and 50 units at 60° angle. The low gloss finishings are also measured at an angle of 85°. See the colour legend for their average values. Gloss is measured according to EN13523 part 2.



Corrosion resistance

Chicago Metallic products produced from hot dip galvanised steel following the Sendzimir process comply with the corrosion classes of the product standard EN 13964 (A, B, C, D). The standard systems in class B are protected with 100 g/m² zinc evenly applied on both sides. The enhanced corrosion resistance (ECR) systems and accessories in class C or D have respectively a layer of 100 g/m² and 275 g/m² zinc evenly applied on both sides and are protected with an additional layer of 20 micron paint per side.



Load bearing performance

The load bearing performance (max. kg/m² load applicable to the grid system without exceeding the allowable deflection of the individual components) is tested in accordance with the EN 13964 standard. The accumulative value of the system deflection, shown on the data sheets, does not exceed the max. deflection as given in class 1 of the standard. Special project configurations deviating from the standard module sizes mentioned in the data sheets must be calculated by Rockfon technical services.

Colour legend



White 001
RAL 9003



White 901
RAL 9010



White 01



Alugrey 04
RAL 9006



Matt White 11 - RAL 9003 - L value: 93
Gloss: 2 at both a 60° and 85° angle



Matt black 88 - RAL 9004
Gloss: 4.5 at 60° angle and 11.5 at 85° angle



Platinum 54
RAL 7035



Carrara 57



High gloss
chrome 14



High gloss
brass 16



Brushed Alu 534



Galvanised
steel 00/69



White 001 / White 001 (8WW)
RAL 9003 / RAL 9003



Black 08 / Black 08 (8BB)
RAL 9005 / RAL 9005



White 001 / Black 08 (8WB)
RAL 9003 / RAL 9005



Alugrey 04 / Black 08 (8GB)
RAL 9006 / RAL 9005

Rockfon **Color-all**[®]
and Specials

Rockfon® is a registered trademark
of the ROCKWOOL Group.

 twitter.com/RockfonUK

 linkedin.com/company/Rockfon-uk/

 instagram.com/Rockfon_official/

 youtube.com/RockfonUK

10/2019 | All colour codes mentioned are based on the NCS - Natural Colour System® property of and used on license from NCS Colour AB, Stockholm 2012 or the RAL colour standard. Subject to alterations in range and product technology without prior notice. Rockfon accepts no responsibility for printing errors.



Rockfon

ROCKWOOL Limited T/A Rockfon
14th Floor, Chiswick Tower, 389 Chiswick High Road,
London W4 4AL
Tel: +44 (0) 208 222 7457
www.rockfon.co.uk