

DATASHEET

Chicago Metallic Alu 740

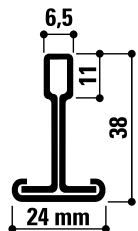


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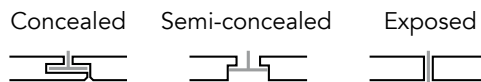
Chicago Metallic Alu 740

- 24mm aluminium grid with non-magnetic properties
- For use in computer rooms and hospitals with magnetic resonance imaging (MRI) scanners
- The grid is supplied in a specific white colour 01

Cross-section

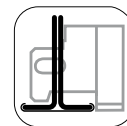


Compatible tiles








Coupling

Butt-cut end



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										
T24 ALU MR		Main runner T24 Hook	38	3600	01	20	72	15.8	30	474
Cross tee										
T24 ALU CT		Cross tee T24 Hook	38	600	01	60	36	7.8	64	500
T24 ALU CT			38	1200	01	60	72	15.4	30	461
Wall angle options										
L19x24 ALU CAP		Alu perimeter wall angle trim 24 x 19 x 3050mm	24	3050	01	25	76.25	9.3	40	373
Accessories										
HDC 1		Plastic hold down clip for tile thickness 15-20 mm (A edge), 15-30 mm (E edge), 20-25 mm (X, M, Z edge), 20-30 mm (D edge)				100		1.34	48	80

Contact Rockfon® for the full range of wall angles and accessories.

Please note that some - not all - products are available in colour. To see which colours are available, please check the assortment table in the relevant Product Datasheet. If you need further assistance or have specific colour preferences, please contact Rockfon.



Position of slots and suspension holes

Product group	Component description	Height (mm)	Length (mm)	Slots	Distance between slots (mm)
T24 ALU MR	Main runner T24 Hook	38	3600	12	 150 / 300 / 10 x 300 / 150
T24 ALU CT	Cross tee T24 Hook	38	600	0	 600
T24 ALU CT		38	1200	1	 600 / 600

Performance



Load bearing capacity

Hanger distance (mm)	Module size (mm)	Kg/m ²	
		Maximum deflection	
		2.5 mm	4.0 mm
1200	600 x 600	6.6	11.0
1200	1200 x 600	7.2	11.8



Reaction to fire

A1



Corrosion resistance

C



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 from the RAL and NCS systems, which are measured following the ISO 7724-2 and ISO 7724-3 standards. The actual colours may deviate slightly from the RAL and NCS references. Chicago Metallic grids are available in a variety of finishes from matt to high gloss, with a respective average of < 5, 15 and 50 units at a 60° angle. The matt finishing is measured at an angle of 85°. See the colour legend for their average values. The gloss unit is measured in accordance with 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.



Cleaning

All Chicago Metallic grids can be cleaned with water and a mild detergent in combination with a melamine foam sponge or microfiber cloth.

Colour legend

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White 001 RAL 9003	White 901 RAL 9010	White 01 White 916	Matt White 11 RAL 9003	L value: 93 Gloss: 2 at both a 60° and 85° angle
Platinum 54 RAL 7035	Alugrey 04 RAL 9006	Galvanised 00 Galvanised 69	Matt Black 88 RAL 9004	Gloss: 4.5 at 60° angle and 11.5 at 85° angle
Brushed Alu 534	High Gloss Chrome 14	Carrara 57	High Gloss Brass 16	
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®

Mustard - 51 NCS S 2050-Y20R	Sand - 30 NCS S 1020-Y30R	Stucco - 20 NCS S 1005-Y20R			
Scarlet - 71 NCS S 5040-Y90R	Coral - 76 NCS S 3040-Y90R	Seashell - 75 NCS S 1010-Y70R	Petal - 74 NCS S 1005-Y60R		
Seaweed - 34 NCS S 8005-G	Eucalyptus - 32 NCS S 6020-B90G	Sage - 31 NCS S 3010-G10Y	Mint - 12 NCS S 0505-G10Y		
Space - 49 NCS S 7020-B	Storm - 48 NCS S 5030-R90B**	Azure - 47 NCS S 3020-B	Fresh - 42 NCS S 2010-B10G		
Earth - 25 NCS S 5010-Y50R	Clay - 26 NCS S 5005-G50Y	Linen - 22 NCS S 4005-Y50R	Sandalwood - 13 NCS S 2010-Y70R	Chalk - 21 NCS S 2005-Y40R	
Ebony - 28 NCS S 8005-R	Cork - 24 NCS S 4010-Y30R	Hemp - 23 NCS S 3005-Y			
Iron - 18 NCS S 7502-B	Concrete - 06 NCS S 5502-B	Mastic - 17 NCS S 4000-N	Zinc - 05 NCS S 4005-R50B	Mercury - 62 NCS S 3005-R80B*	
Charcoal - 09 NCS S 8500-N	Anthracite - 08 NCS S 7005-B	Gravel - 03 NCS S 3502-B	Plaster - 02 NCS S 2005-R80B	Stone - 01 NCS S 2000-N	Moon - 10 NCS S 1005-R80B

* Colour contains effect pigments.

** Colour is between NCS S 5030-R90B and NCS S 6030-R90B.

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NCS codes are closest colour match. The actual colour of the Rockfon Color-all® grid may deviate slightly from printed colours due to the texture of the surface. Samples are available upon request.

09.2024 | 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.

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