

Innovation For Creativity

metal ceilings and facades



MADE IN ITALY
MANUFACTURING
QUALITY • DESIGN



DESCRIPTION

Structures for plasterboard ceiling system made up of 49x18 "C" profile and 28x43 Prim carrier

MATERIALS AND WEIGHTS

"C" profiles:

18x49x18 mm of Standard Zinc | Aluzink | Zinc-Magnesium
Lenght 3000 | 4000 mm
Weight 0,453 kg/lm

Carriers:

28x43x28 mm of 7/10 galvanised steel
Lenght 3000 | 4000 mm
Weight 0,604 kg/lm

ANTI-SEISMIC EQUIPMENTS

For seismic applications, the use of a double 49x27 "C" beams system equipped with verified anti-seismic kits is recommended.

For more information about the anti-seismic systems, please contact IFC sales offices.

HANGERS

Prim hook with hanger with eye
Suspensions to evaluate according to the load at m², to the project features and antiseismic requirements.

WALL ANGLES

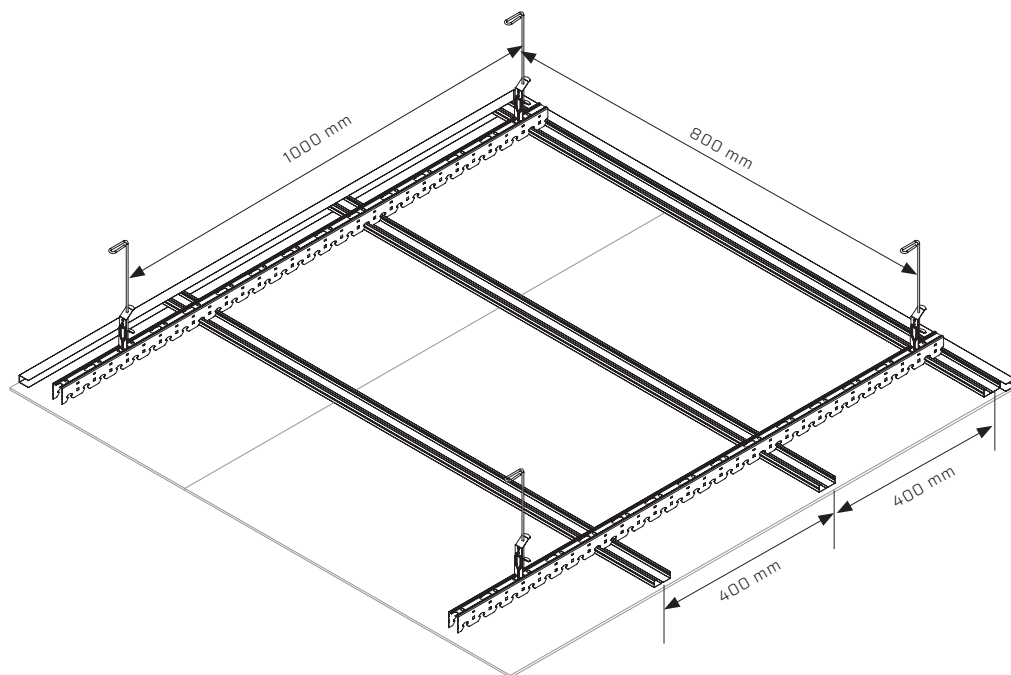
28x19x28 mm "U" channel of Standard Zinc | Aluzink | Zinc-Magnesium
Lenght 3000 | 4000 mm
Weight 0,327 kg/lm

ACCESSORIES

"C" profiles and carrier joints

Product range: **PLASTERBOARD**

49x18 "C" Profiles and 28x43 Prim Carriers



COMPONENTS

ID	DESCRIPTION	INCIDENCE*
1	PLASTERBOARD PANEL	1,05 pcs/sqm
2	28X43 PRIM CARRIER	1,25 lm/sqm
3	18X49X18 "C" PROFILE	2,5 lm/sqm
4	HANGERS	1,25 pcs/sqm
5	WALL ANGLE ("U" CHANNEL)	0,8 lm/sqm

* Component incidences 10x10m model

"C" PROFILES MAX INTERAXE

SHEETS THICK.	WITHOUT ACCESSORY LOADS
≥ 12,5 mm	500
Lower thicknesses not recommended	400

With transversely screwed sheets to the metal structure

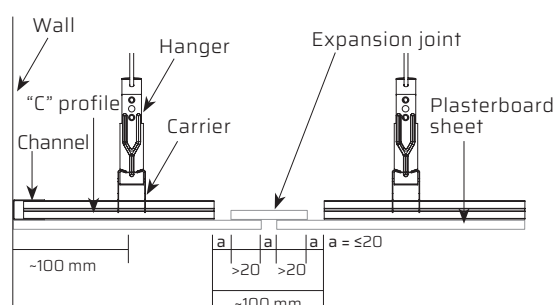
With lenghtwise screwed sheets to the metal structure

PRIMARY STRUCTURE INTERAXES

CARRIERS INTERAXE in mm	SUSPENSION INTERAXE in mm Load class kg/m ²	
	≤ 15	15 < p ≤ 30
400	1250	1000
500	1200	950
600	1150	900
700	1100	850
800	1050	800
900	1000	800
1000	950	750
1100	900	750
1200	900	-

*verify **interaxes** and **hanger models** according to the load at m² the antiseismic report and particular conditions. The **fastening** must be checked with regard to the loads, the anchoring base features and the installation accuracy, in order not to compromise the stability of the metal ceiling system. Lightings, accessories and systems must not weigh on the metal ceiling system, but must be independently suspended.

EXPANSION JOINT FOR FIRE PROTECTION



For surfaces longer than ~15 m, an expansion joint is required. If the wall and the plasterboard sheet are made of different materials, make the connection according to the plasterboard manufacturer instructions.

PLASTERBOARD SHEETS FIXING

SHEETS THICKNESS in mm	SCREW LENGHT in mm	
12,5 - 15	25	The length of the screw must be at least equal to the thickness of the sheet plus 1 cm.
18 - 25	35	
2x12,5	25 + 35	Screw interaxe 170 mm approx.
2x15	25 + 45	
18 + 15	35 + 45	
2x20 / 25+18	35 + 55	

The plasterboard sheet fixing above indicated must be considered as an example and must be checked with the plasterboard manufacturer.

ITEMS INFORMATION | CARRIERS AND CHANNELS

ITEM	MAT.	CODE	Packaging								
			Bundle				Pallet				
			pcs	m	Kg	Dim.	(B)	pcs	m	Kg	Dim.
PRIM Carrier 28x43 L=3000 mm 50 mm pitch	GS 7/10	TPRIM5C07ZIN3	10	30	18	(b) 150 (h) 45 (L) 3000	25	250	750	453	(b) 1060 (h) 147 (L) 3000
"C" Profile 18x49 L=3000 mm	GS 6/10	MR04918C63000	10	30	14	(b) 90 (h) 49 (L) 3000	18	180	540	254	(b) 490 (h) 226 (L) 3000
"U" Profile 28x19 L=3000 mm	GS 6/10	MG02819C63000	16	48	17	(b) 224 (h) 19 (L) 3000	15	240	720	248	(b) 565 (h) 175 (L) 3000

GS= Galvanised steel | (B) = Bundle | Bundle Dimension (mm) - (bxhxL) | Pallet Dimension (mm) - (bxhxL)

ITEMS INFORMATION | ACCESSORIES

ITEM		MATERIAL	CODE	Packaging			
				Pcs	Type	Dimensions	Kg
Ø 4mm Hangers with eye	L=250	GS	APEOCCH0250D4	100 pz	Bundle	Ø 170 mm L= 250 mm	2,5 Kg
	L=500	GS	APEOCCH0500D4	100 pz	Bundle	Ø 170 mm L= 500 mm	5 Kg
	L=1000	GS	APEOCCH01000D4	100 pz	Bundle	Ø 170 mm L= 1000 mm	10 Kg
	L=1500	GS	APEOCCH01500D4	100 pz	Bundle	Ø 170 mm L= 1500 mm	15,4 Kg
Carrier hook		GS	ACGAMOLLTRSC	100 pz	Box	220x150x200 mm	3 Kg
PRIM Carrier Joint		GS 6/10	ACGIDUPL	100 pz	Box	300x210x300 mm	4 Kg
49x19 “C” Profile Joint		GS 6/10	ACGLINE4915	100 pz	Box	300x210x300 mm	5 Kg

GS= Galvanised steel | (B) = Bundle | Box Dimension (mm) - (bxhxL)

TECHNICAL PERFORMANCES

	CORROSION RESISTANCE	Galvanized steel products: C2 Class Pre-painted galvanized steel products: C3 Class Post-painted galvanized steel products: C4 Class Pre/post-painted aluminium products: C5 Class
	(RH%) RELATIVE HUMIDITY RESISTANCE	Galvanized steel products: ≤ 90% Pre/post-painted galvanized steel products: > 90% Stainless steel and aluminium products: > 90
	FIRE REACTION UNI EN 13501-1	A1 Class

SUSTAINABILITY		Data declared according to ISO 14021 standard and validated during the EPD verification. Type III Environmental labelling			
	RECYCLED PRODUCT CONTENT	EPD-S-P-06169		GREEN BUILDING	Requirements compliance: CAM 2025 LEED® BREEAM® WELL™
	MATERIAL DEMOLITION AND REMOVAL	Non hazardous waste		GREEN ENERGY	Production plant powered by renewable sources
	DISASSEMBLY	Steel Aluminium 100% recyclable		WASTE MANAGEMENT	Minimal and recyclable packaging.
	SVHC PRESENCE	Absent		BIM DESIGN AND MAINTENANCE PLAN OF THE WORK	On request
	RELEASE OF DANGEROUS SUBSTANCES	None EN 13964		FORMALDEHYDE	Absent E1 Class



WARRANTY

The warranty, covers the manufacturing products defects. Except as provided in the specific warranty extensions, the warranty period is one year from delivery of goods. Any complaints must be communicated in accordance with the sales terms and conditions. False ceilings system components have been conceived for this purpose only, any other use is considered improper.

CLEANING, MAINTENANCE AND REMOVAL INSTRUCTIONS

Cleaning and maintenance require some attention and care even though are easy to make and don't take much time. It is necessary to use warm water and neutral and non-abrasive detergents. False ceilings maintenance usually refers to: placement, alignment or replacement of damaged or broken modules which can be also removed for restoration or maintenance of the system below. In order to ensure an excellent results, the maintenance work must be carried out by specialised workers trained with technical data sheets about setting, removal and maintenance of the metal ceilings. Using inadequate tools can damage the bearing structure, causing adherence loss or even accidental modules fall. All the maintenance intervention must follow the technical data sheet instructions or specific information when provided and every diversity has to be promptly reported. Each worker charged with maintenance operation must carefully remove the modules, perform the intervention and do not alter the structure, the hanging system and the connection between these elements. When the maintenance is over, modules must be installed again, checking that these are well hooked or positioned and that the flatness of the assembly is guaranteed. Any difference in level is caused by wrong installation and, for this reason, the system must be quickly controlled.

STORAGE MODE

Materials shall be maintained in good condition from purchase to installation. Materials must be stored in a closed, clean and dry site, not under direct light. Materials provided with protective films must be transported and stored in proper environmental conditions, i.e.: temperature 10 to 30°C, relative humidity 40 to 75%RH. Within three (3) months of delivery and in any case before installation, the protective films must be removed. Products are protected with resistant packaging under normal handling. Please handle packages with care to avoid shocks and inappropriate handling that might damage what is provided. The manual handling must be carried out with caution and in compliance with safety regulations at work. For carriage of packaged products on pallets, provide a mechanical transport to avoid damages or risks resulting from inadequate transport.

SUSTANABILITY AND SAFETY

All ceilings ITALIAN SELECTION are made with products that do not release dangerous substances into the environment including formaldehyde. Coating and / or sublimation are free from Volatile Organic Compounds (VOC). The products will be recyclable and as a whole manufactured using recycling processes materials, the recycled material percentage is calculated for each type of product, in compliance with CAM requirements and declared according to the ISO 14021 standard. The ceiling systems contribute to getting credits for the certification of building design, construction and sustainable and efficient management according to the LEED protocol and to the BREEAM and ITACA cross-cutting aspects.

FASTENERS

IFC supplies the hangers and accessories such as screws, washers and nuts to connect the elements of its own supply only. Lightings, accessories and systems must not weigh on the ceiling system, but must be independently suspended. The fastening must be checked with regard to the loads, the anchoring base features and the installation accuracy, in order not to compromise the stability of the ceiling system.

ANTISEISMIC EQUIPEMENTS

According to the NTC 2018, when the non-structural element is assembled on site: structure designer is in charge of identifying the request, the supplier and / or installer is in charge of providing elements and connection systems of adequate capacity, the project manager is in charge of verifying the accuracy of installation". Therefore it is necessary to communicate to IFC the stresses acting on the false ceiling (seismic acceleration, wind load,..) in order to allow a proper calculation of the single elements. For more information on IFC's anti-seismic systems, contact the reference sales offices. The documentation on the site is for example only. (NTC 2018 § 7.2.3-7.2.4).

NORMATIVE REQUIREMENTS

IFC LTD is maker and sole distributor in Israel and Palestinian territories.

"Italian selection" metal structure products are manufactured in Italy by the selected Italian maker Atena S.p.A.

The Italian company has adopted a quality management system in compliance with the UNI EN ISO 9001 standard.

All "Italian selection" structures are produced for indoor applications, in compliance with Technical Standards for Construction NTC 2018 and relative circular requirements, the Minimum Environmental Criteria CAM (Ministerial Decree 11 October 2017), the specific technical standards applicable UNI EN 13964 and 14195. Each product has its own DOP (CE Declaration of Performance) according to the European Law for construction products 305/2011.

The performance properties declared in D.o.P. Declarations of Performance provided by the manufacturer are guarantees, if the structures are installed in the environment conditions for which it has been conceived and the recommended maintenance is executed.

Precisely, these structures are non-structural construction elements therefore they must be properly sized in order to withstand with adequate safety against all actions that can stress the building, such as, but not limited to, earthquakes, winds, thermal expansion, humidity, etc., in relation to the installation site, the building use and the project technical features. Check with IFC technical department the specific environmental conditions to which the product will be subjected, in order to choose the most suitable materials for the installation site.

In the case of outdoor installation, the structures are not covered by an harmonized technical standard, therefore they are not subject to the regulation 305/2011. They are in any case subjected to the NTC 2018 and to the safety checks of civil constructions, and must be properly sized according to the installation site environmental conditions, to the structural features and to the project specifications.

The products are sold to the customer together with guarantees and technical sheets, with instructions for transport, unloading, storage, handling, installation and maintenance, supplied by the manufacturer, verified and approved by IFC.

Independently by information, suggestions, advices and technical opinions exchanged between the parts, during pre-agreement negotiations IFC will supply the products only according to the orders received and the technical drawings/projects attached, having no responsibility on what is not indicated in the order, in the technical drawings or in the project.

All rights are reserved and subject to industrial protection. All data provided and illustrated are indicative and can be changed at any time according to the business needs and the production processes.

The information contained in this following sheet must to be considered updated at the date of writing. Changes in product performance occurred after that date may affect the accuracy of the data sheet: it is compulsory for users to make sure to have the latest version of this sheet.



Italian selection products



MADE IN ITALY
MANUFACTURING
QUALITY • DESIGN

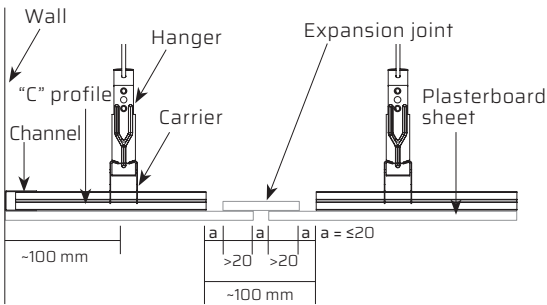
I.F.C. LTD

14, Habana Im. Street P.O. BOX 12384 Ashood

Tel: +972 8 6699111 Fax: +972 8 6699122

ifc.co.il - info@ifc.co.il

EXPANSION JOINT FOR FIRE PROTECTION



For surfaces longer than ~15 m, an expansion joint is required. If the wall and the plasterboard sheet are made of different materials, make the connection according to the plasterboard manufacturer instructions.

PLASTERBOARD SHEETS FIXING

SHEETS THICKNESS in mm	SCREW LENGHT in mm	
12,5 - 15	25	The length of the screw must be at least equal to the thickness of the sheet plus 1 cm.
18 - 25	35	
2x12,5	25 + 35	Screw interaxe 170 mm approx.
2x15	25 + 45	
18 + 15	35 + 45	
2x20 / 25+18	35 + 55	

The plasterboard sheet fixing above indicated must be considered as an example and must be checked with the plasterboard manufacturer.

CODE	PACKAGING						
	QTA	TYPE	DIMESION-	Kg			
PRIM5C07ZIN3							
R04918C63000							
R04918C63000							
PEOCCH0250D4	100 pz	Bundle					
PEOCCH0500D4	100 pz	Bundle					
PEOCCH01000D4	100 pz	Bundle					
PEOCCH01500D4	100 pz	Bundle					
GAMOLLTRSC	100 pz	Box					

TECHNICAL PERFORMANCES

	CORROSION RESISTANCE	Galvanized steel products: C2 Class Pre-painted galvanized steel products: C3 Class Post-painted galvanized steel products: C4 Class Pre/post-painted aluminium products: C5 Class
	(RH%) RELATIVE HUMIDITY RESISTANCE	Galvanized steel products: ≤ 90% Pre/post-painted galvanized steel products: > 90% Stainless steel and aluminium products: > 90
	FIRE REACTION UNI EN 13501-1	A1 Class

SUSTAINABILITY		Data declared according to ISO 14021 standard and validated during the EPD verification. Type III Environmental labelling			
	RECYCLED PRODUCT CONTENT	EPD-S-P-06169		GREEN BUILDING	Requirements compliance: CAM 2025 LEED® BREEAM® WELL™
	MATERIAL DEMOLITION AND REMOVAL	Non hazardous waste		GREEN ENERGY	Production plant powered by renewable sources
	DISASSEMBLY	Steel Aluminium 100% recyclable		WASTE MANAGEMENT	Minimal and recyclable packaging.
	SVHC PRESENCE	Absent		BIM DESIGN AND MAINTENANCE PLAN OF THE WORK	On request
	RELEASE OF DANGEROUS SUBSTANCES	None EN 13964		FORMALDEHYDE	Absent E1 Class

