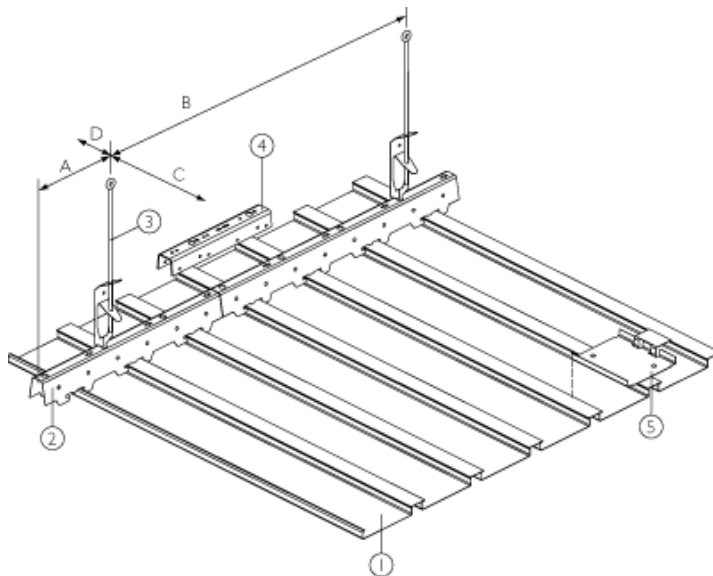


Construction Details - 84C

System overview



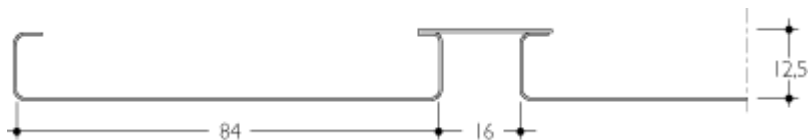
- 1= 84C panel
- 2= carrier
- 3= rod hanger
- 4= carrier splice
- 5= panel splice

Panel type	Carrier span (mm)		Panel span (mm)			
	A	B	on 2 carriers		on 3 or more carriers	
			C*	D	C*	D
84C	300	1300	1600	150	1800	150

* Minus 200 mm in case of acoustic pads.

Characteristics

- Box shaped panels with 16mm wide closed joints that enhance the linear appearance.
- Panels can be supplied in any length up to 6000 mm (i.e. less joints)



- Absence of dust retention and ease of cleaning make these panels ideal for any application where hygiene is important
- Optimal acoustic control by using perforated panels with a non-woven textile membrane bonded to the inside face
- Panels are lightweight yet strong, made from aluminium which can be recycled for the full 100%, requiring very little energy
- Demountable panels, which allows full access to services and equipment in plenum.

Panel	Width (mm)	Module (mm)	Min. length (mm)	Max. length (mm)	Weight panels & carriers/m ² *	
					Steel carrier	Alu. carrier
84C	84	100	1000	6000	2.2 kg	2.1 kg

* Based on panels installed on 3 or more carriers

Panels from 250 - 1000 mm and >6000 mm are available on request.

- The joint flange can be supplied with a rectangular perforation for ventilation purposes.
- Panels can also be used for exterior applications.
- Steel carriers and steel panels in combination with a suitable thermal insulating pad make a ceiling that can be used in Marine Applications
- Base Material: Luxalon® 84C panels are roll formed from 0.5 mm thick pre-painted stove enamelled aluminium strip, alloy HD5050 or equivalent (according to EN 1396, and ECCA standards)
- Coating: the tough and durable 2-layered polyester finish in a nominal thickness of approximately 20 microns, is stove enamelled in a continuous coil-coating process ensuring uniform coating thickness and absolute adhesion

Fire behaviour

Luxalon® metal suspended ceilings are classified incombustible and will therefore not contribute to possible fires. When ceilings however need to protect the structural integrity of the building, Luxalon® ceilings offer a range of practical and tested solutions with regards to fire stability. Further information is available on request.

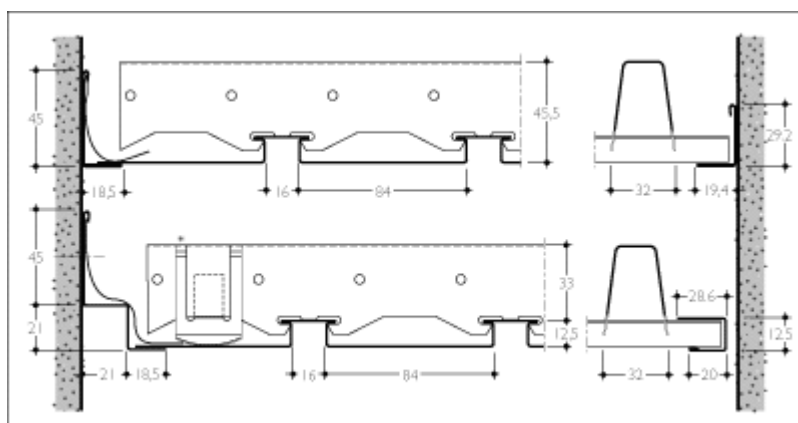
Material per sqm

	Unit	Linear 84C system
Panels	lm	10
Carriers	lm	0.56
Carrier splice	pc	0.11
Suspension	pc	0.43

The required number of components depend on individual project requirements

Figures are based on maximum spans

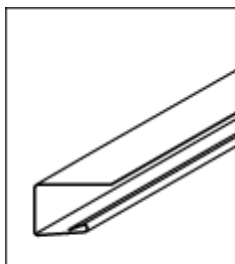
Construction details



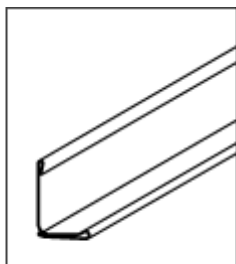
* Luxalon® locking clip necessary when no edge-profile springs are used.

Edge profiles

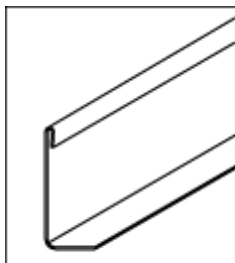
Edge profiles available for the 84C Closed Ceiling program



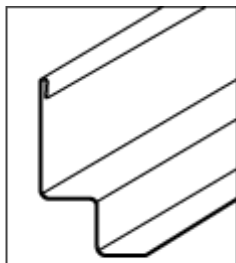
Clip-on U-profile alu
(28.6 x 16 x 20)



Wall L-profile alu
(29.2 x 19.4)



Wall L-profile Fe/Alu
(45 x 18.5)



Wall W-profile Fe/Alu
(45 x 21 x 21 x 18.5)