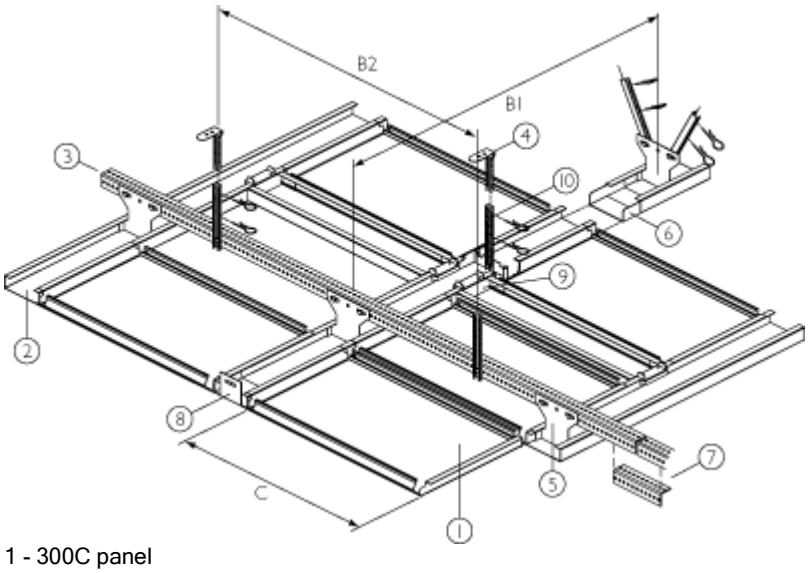
Construction Details - 300C

System overview



1 - 300C panel
2 - C-grid profile
3 - Primary angle profile
4 - Nonius hanger
5 - Suspension shoe
6 - C-grid splice
7 - Primary angle profile splice
8 - Wall bracket
9 - C-grid cross connector
10 - C-grid nonius adaptor

Panel type	Profile Span B1	Profile Span B2	Panel Span C
Alu 0.7/Steel 0.6	1250	900-1450*	2400

** Consult Hunter Douglas for your exact requirements.*

Characteristics

- Closed ceiling type in 300mm module, resulting in a closed smooth appearance laid in a unidirectional or tartan-type exposed wide grid.

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- Panels are available as standard in steel (0.6mm) or aluminium (0.7mm)

Panel	Width	Min. length	Max. length	Weight/m²
Alu 0.7	300	1000	2400	4.1 kg
Steel 0.6				7.3 kg

Panels from 600-1000 mm are available on request.

- Simple and cost-effective solution for office environments where partitioning can be fixed against the c-grids without damaging the panels.
- Panels can be supplied in any free spanning length up to 2400 mm.
- Optimal acoustic control by using perforated panels with a non-woven textile membrane bonded to the inside face.
- Easy demountable panels, which allows full access to services and equipment in plenum.
- Panels are lightweight yet strong, made from aluminium or steel which are both fully recyclable.
- Absence of dust retention and ease of cleaning make these panels ideal for any application where hygiene is important.
- Base Material: Luxalon® 300C panels are roll formed from 0.7 mm thick pre-painted stove enamelled aluminium strip or from 0.6 mm thick stove enamelled galvanised steel strip.
- Coating: the tough and durable 2-layer polyester finish in a nominal thickness of 20 microns, is stove enamelled in a continuous coil-coating process ensuring uniform coating thickness and absolute adhesion.
- Tolerances: as a member of the Technical Association of Industrial Metal Ceiling Manufacturers (TAIM-eV), Hunter Douglas complies with tolerance criteria as specified in chapter 4 of the TAIM Technical Manual on Metal Ceilings (THM) and the accompanying Quality Standards.

Fire behaviour

Suspended Luxalon® metal ceilings have a very limited contribution to a possible fire. They are classified according to EN 13501-1, class A2, s1,d0 for plain panels and perforated panels or class A2,s2,d0 for perforated panels with non-woven acoustic material. Further information is available on request.

Material per sqm

Requirements are based on using panels with a length of 2400 mm (uni directional).

	Unit	300C C-grid system
Panels	lm	3.33
C-grid	lm	0.40
C-grid splice	pcs	0.08
Primary angle	lm	0.80
Angle splice	pcs	0.16
Suspension	pcs	0.67
Suspension shoe	pcs	0.33

Edge profiles and other accessories depend on individual project requirements.

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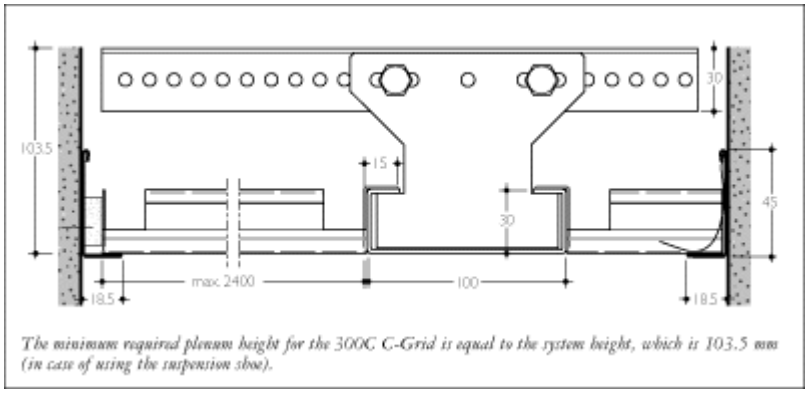
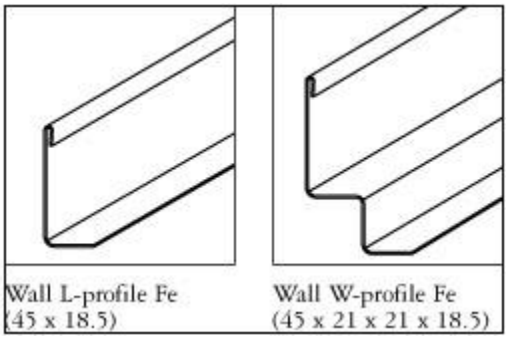
Construction details



The minimum required plenum height for the 300C C-Grid is equal to the system height, which is 103.5 mm (in case of using the suspension shoe).

Edge profiles

Edge profiles available in the Wide Panel program.



Wall L-profile Fe (45 x 18.5)

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