SWISSDOOR
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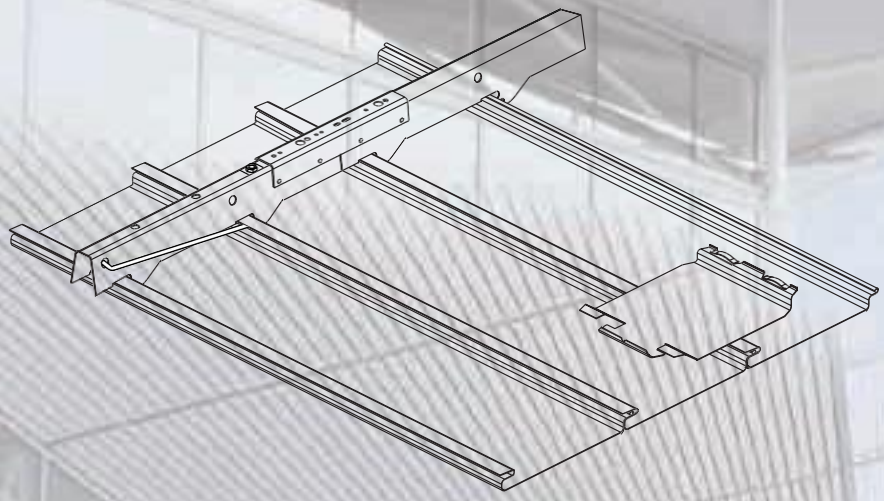
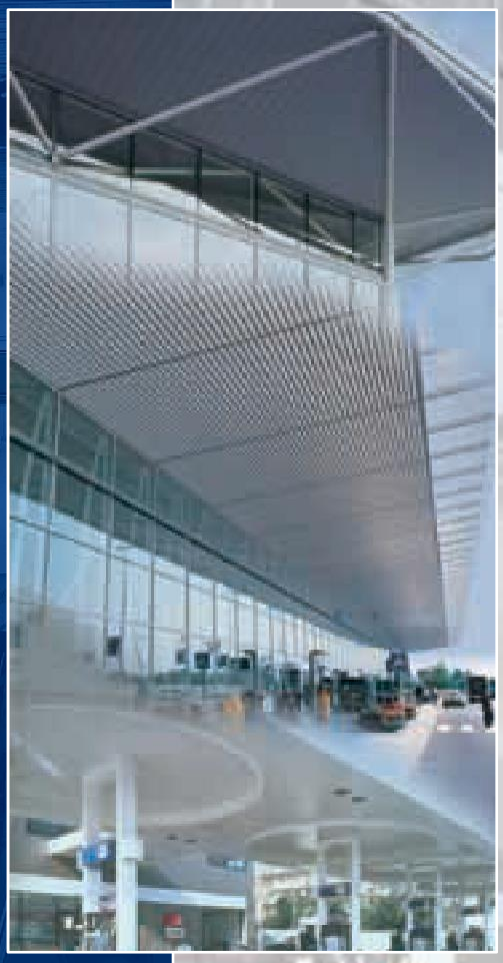
LUXALON®
ARCHITECTURALPRODUCTS

LINEAR EXTERIOR 150F/200F CEILING SYSTEM





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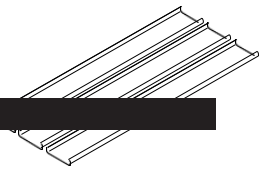
alu

LUXALON®
A HunterDouglas® PRODUCT

LINEAR



SHORT SYSTEM DESCRIPTION

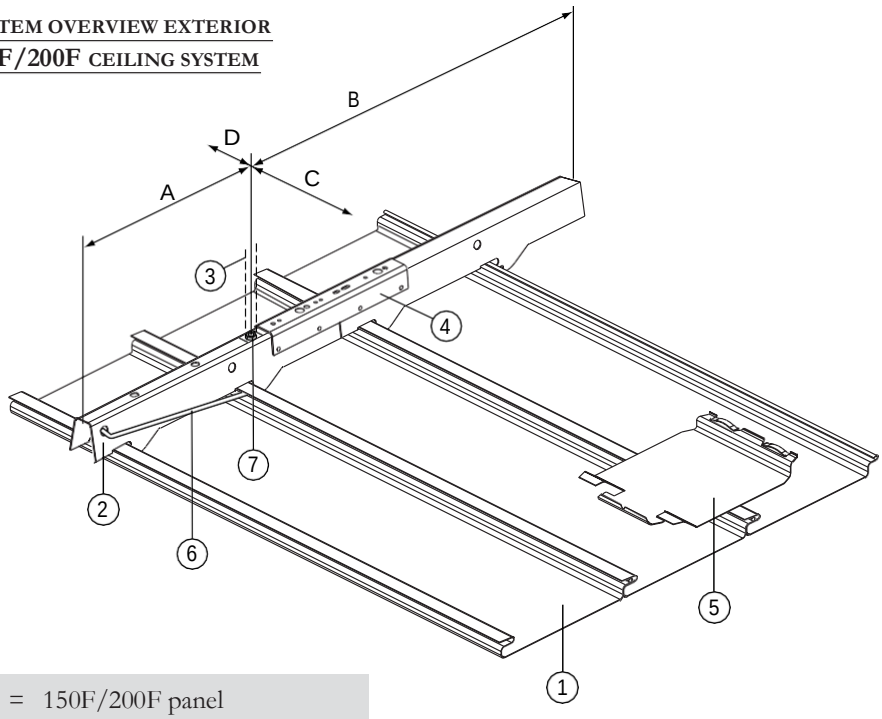
The Luxalon® exterior 150F/200F ceiling system consists of 150 mm and 200 mm wide aluminium panels (1) which can simply be clipped into the prongs of a 150F or a 200F carrier (2). The stove enamelled aluminium panels are recycable, lightweight and strong. The panels are made to measure and can be supplied in any length up to 6000 mm. Panels can be joined by using the panel splice (5).

The carrier (2) is black, made of 0.95mm thick (for 150F) or 1.2 mm thick (for 200F) stove enamelled aluminium and is provided with prongs to accommodate the panels. Carriers have a standard length of 5000 mm and are connected by using the carrier splice (4) (200F) or by sliding the ends of the carriers into each other (150F). The carriers can be suspended at centres determined by the wind loading graphs (see opposite page) using a rigid levelled suspension system. Utilising the washerset to isolate dissimilar metals.

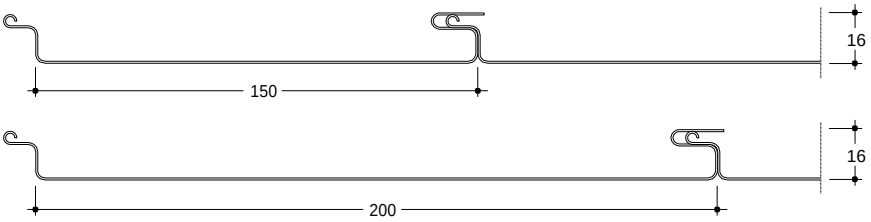
PRACTICAL APPLICATIONS

- The neat closed joints present a smooth uninterrupted appearance.
- Panel length made to measure up to 6000 mm, allowing swift installation and reducing the need for panel joints.
- Panels can be secured to the carrier by using U-brackets, providing a very rigid system which is able to withstand extreme wind suction (over 2000 N/m²).
- Panels are made from a corrosion resistant aluminium alloy, which makes the panels strong and resistant to corrosion.
- For installations requiring combinations of 150F and 200F panels a screw clamp is available.
- Curved ceilings can be achieved by using screw clamps.
- The patented Luxacote® coating, guarantees colour stability and high resistance against scratches and corrosion.

SYSTEM OVERVIEW EXTERIOR 150F/200F CEILING SYSTEM



1 = 150F/200F panel
2 = 150F or 200F carrier
3 = non Luxalon® rigid suspension
4 = carrier splice
5 = panel splice
6 = U-bracket
7 = Washer set

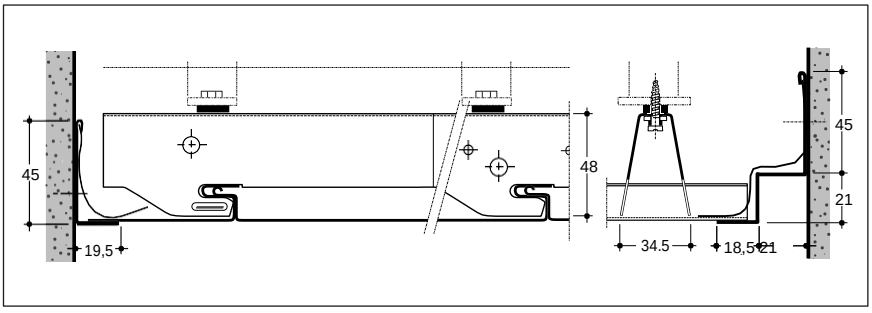


DIMENSIONS & WEIGHTS

Panel	Width	Modul	Min. Length	Max. Length	Weight panels & carrier/m²*
150F	150	150	1000	6000	2.8 kg
200F	200	200	1000	6000	3.1 kg

** Based on panels installed on 3 or more carriers with a windload (pressure) of 1500 N/m² Panels from 250-1000 mm and >6000 mm are available on request.*

STANDARD CONSTRUCTION DETAILS

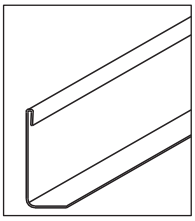


Material Requirements per m²

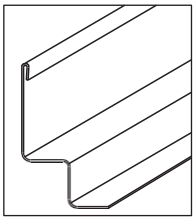
	Unit	150F system	200F system
Panels	lm	6.67	5
Carriers	lm	0.85	0.85
Carrier splice	pcs	0.17	0.17
Suspension	pcs	2.14	2.14

** The required number of components depend on individual project requirements*
Figures are based on a ceiling installed on 3 or more carriers and submitted to a windload (pressure) of 1500N/m².

Edge profiles



Wall L-profile Alu
(45 x 18.5)



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

Façade Cladding Application

The Luxalon® 150/200F system can also be used as façade cladding. See separate brochure for further details.

Material Specifications

- Base Material
Luxalon® 150F and 200F ceiling panels are rollformed from 0.6 mm (for 150F) or 0.7 mm (for 200F) thick prepainted stove enamelled aluminium strip. All aluminium products can be recycled for the full 100% requiring very little energy.

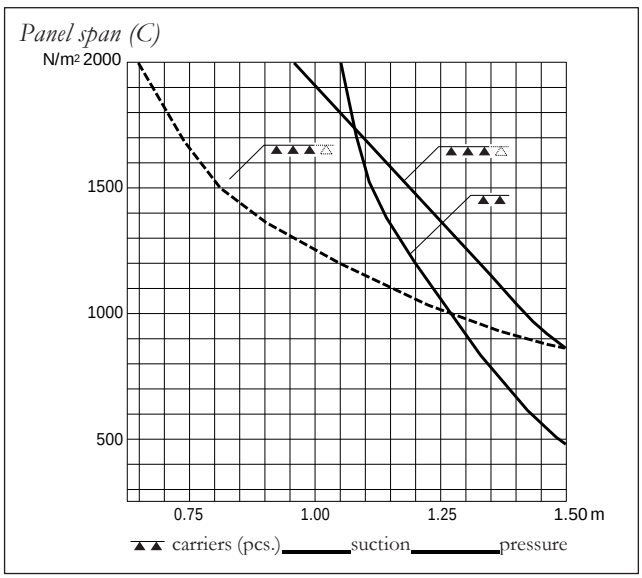
- Coating
The tough and durable Luxacote® finish in a nominal thickness of approximately 20 microns, is stove enamelled in a continuous coil-coating process ensuring colour stability.
The Luxacote® finish guarantees optimum adhesion and excellent resistance to weathering.

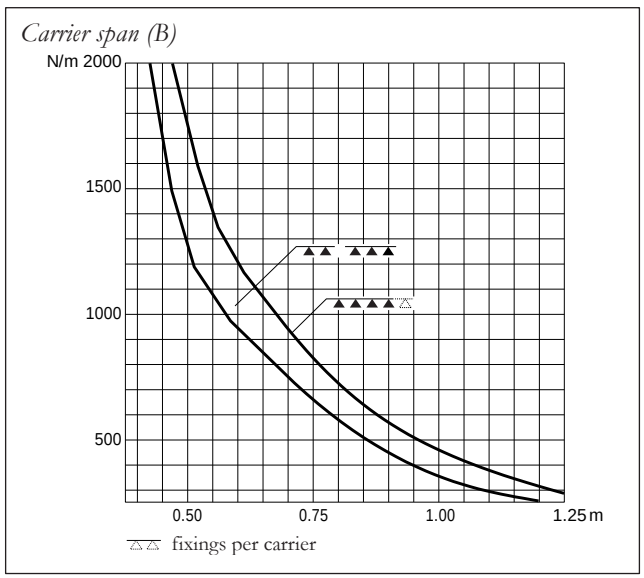
- Luxalon® colour range
The standard Luxalon® colour range for 150F/200F exterior ceilings includes different colours and finishes. See Luxalon® exterior colour chart. Any other (RAL or NCS) colour is available on request.

Maximum spans

- Panel span (C)
The panel spans, in relation to the wind load (pressure or suction), can be calculated from the graph adjacent.
At 1500 N/m² the maximum panel span for 150F is 1.18 m on 3 or more carriers.

- Carrier span (B)
Before establishing the fixing distance of the carriers, the load per lineal meter carrier is to be determined by applying the formulas in the table under the carrier span graph.





Note: *For corners, roof edges, special designs etc. wind pressure/suction shall be determined with due consideration to the relevant local country's Standard Codes of Building Practice.*

Panels installed on:	Calculation of 'load per lineal meter carrier'
2 carriers	0.5 q x panel span (C) in m
3 carriers	1.25 q x panel span (C) in m
4 or more carriers	1.15 q x panel span (C) in m

q = windload in N/m² (uniformly distributed loads)

The carrier span (screw distance) (B) can be read from the graph adjacent in the same way as the panel span.

LUXALON® EXTERIOR 150F/200F CEILING SYSTEM SPECIFICATION

PART 1. EXTERIOR 150F/200F CEILING SYSTEM GENERAL

1.1 INTRODUCTION

Supply and fix Luxalon® exterior 150F/200F ceiling system as manufactured by Hunter Douglas Architectural Products.

1.2 DESCRIPTION OF THE SYSTEM

The system will consist of linear panels fixed to a rigid suspension system. The suspension system consists of a non Luxalon® supporting structure. To prevent contact corrosion by applying dissimilar metals, each fixing of the carriers to the sub-construction must be made through the Luxalon® washer set.

PART 2. PRODUCT

_____ m² Luxalon® Exterior 150F/200F Ceiling, consisting of:

2.1 PANELS

- 150F: size 150 x 17 mm manufactured from 0.6 mm aluminium.
- 200F: size 200 x 17 mm manufactured from 0.7 mm aluminium.

Panels to be manufactured from prepainted, stove enamelled aluminium, corrosion resistant alloy EN-AW-3005 or equivalent (according to EN 1396 and ECCA). Panels have a length of_____mm (manufacturer availability 1000-6000 mm and on request 250-1000 mm and > 6000 mm). Panels to be coupled in longitudinal direction by means of panel splices.

2.2 SUSPENSION

Rows of 0.95 mm (for 150F) or 1.2 mm (for 200F) aluminium rollformed carriers shall be installed at_____centre on centre by means of a levelled suspension of sufficient strength and rigidity to provide resitance to wind-pressure/suction at a distance of_____, centre on centre. Carriers will be joined by means of carrier splices. Carriers provided with prongs to hold panels in a module of 150 mm (for 150F) or 200 mm (for 200F).

PART 3. ADDITIONAL SPECIFICATIONS

3.1 PERIMETER PROFILES

- Wall L-profile 45 x 18.5 mm made of 0.8 mm thick aluminium
- Wall W-profile 45 x 21 x 21 x 18.5 mm made of 0.8 mm thick aluminium

3.2 COATING

Architect will make a colour selection from the standard Hunter Douglas colour range for Luxalon® exterior 150F/200F panels code no. _____ or a special colour will be made to match.

The coating will consist of a tough and durable Luxacote® finish in nominal thickness of approximately 20 microns, applied in a continuous coilcoating process ensuring colour stability. The Luxacote® finish guarantees optimum adhesion and excellent resistance to weathering

3.3 INSTALLATION

All materials shall be installed in strict compliance with all local codes, ordinances and manufacturers recommandations including specific additional requirements as may be called for in the specifications or shown on the drawings.

Unprecedented Protection for exterior application
LUXACOTE®
Corrosion resistant
Humidity and water resistant
Film flexibility
Abrasion resistant
Colour fastness

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