

# Linear panels

Modulbac JFC Abutting sides and square edges

Page 60



Modulbac F Abutting sides and bevelled edges

Page 62



Modulbac JC15 Straight sides and bevelled edges with 15 mm closed hollow joint

Page 64



# **ESSENTIAL ELEMENTS**

# **Linear panels** For reception areas and outdoors

Clipped linear panels can be made in large long, which reduces the number of visible joints.

### A directional effect in varying degrees:

- > Clean lines
- > Controlled installation costs
- > A directional effect in varying degrees depending on the detail of the edges chosen (square, bevelled, abutting or hollow)
- > Installation underneath an exterior canopy, subject to specific installation conditions

# PLAFOMETAL **BENEFITS**

- Panels are cut to length in the factory, reducing the number of offcuts during installation.
- Factory-made cut outs for integrating
- · Colour continuity across different deliveries
- Large choice of perforations in our range and others available on request
- Additional black acoustic veil on request
- Absorption coefficient  $lpha_{\sf w}$  between 0.55 and 1



# Modulbac JFC



# > Clipped linear panel with abutting sides and square edges

- Designed to be clipped onto a concealed grid.
- The panel has abutting sides, square edges and open sides.

- Can be used to create long lengths.
- A sleek style by reducing the number of visible joints.
- A discreet linear appearance.
- Controlled installation costs.
- Can be installed beneath an exterior canopy under certain conditions.





# Modulbac JFC

## > Clipped linear panel with abutting sides and square edges



### Installation according to DTU 58.1 (see page 158 for details)

 Hangers with 1400 mm axis regularity and 59 IPS / JFC runners with 1400 mm axis regularity Perimeter channel trims recommended.





### **Outdoor installation** (see page 158 for details)

• Outdoor installation requires particular precautions. It is important to determine the degree of wind and corrosion exposure on a case-by-case basis. Generally speaking, you should allow for 0.5 to 1 m axis regularity between hangers and runners. Also ensure one hanger for every two has a "anti-lifting" clip at least. We advise using washers between the threaded rod and the runner. The contractor is responsible for submitting its plan to the client for approval. Please contact us for more information.

anei dimensions	<ul> <li>Widths: 150, 200, 300 mm.</li> <li>Length on request (min. 900 – advised max. 6000 mm).</li> <li>Height: 30 mm.</li> <li>Square edges.</li> <li>Max. self-supporting capacity: 2800 mm for a width of 300 mm.</li> </ul>
<b>Naterials</b>	•Galvanised steel 0.5 or 0.6 mm thick depending on the width and length. •Aluminum 0.7 mm thick.
Colours and finishes	<ul> <li>White 137 (≈ RAL 9003) polyester prepainted for inside or outside.</li> <li>RAL 9006 metallic grey polyester prepainted for inside or outside.</li> <li>Polyester powder coat: 180 RAL colours on request.</li> </ul>

Perforations on steel (for scale illustrations: see page 144)

### Absorption

- (see page 150 for details and ap coefficient per 1/3 octave)
- +  $\alpha_W^{}$  0.55 to 0.80 with acoustic veil depending on perforation.
- +  $\alpha_{\rm W}$  0.65 to 0.85 with polythene wrapped wool depending on perforation. -  $\boldsymbol{\alpha}_{W}$  up to 1 with other sound absorbant insulation depending on
- perforation.

### Reaction to fire (see page 152 for details)

- A1 for the prepainted solutions with or without acoustic veil
- A2,s1,d0 for the powder postlacquered solutions with or without acoustic veil



### **Light reflection** CIELabindov Unperforated

CIE Lab IIIdex	onpenorateu	11/001.5	20%01.5
White 137 / grey 9006	92.4 / 63.6	88.1 / 60.9	85.7 / -

110/011

200/01

### **Environment and health**

• Our ceilings can be fully recycled over an indefinite period of time. They are sustainable, easy to maintain, produce no dust,

particles or vapour and are inert and odour-free. They do not promote microbial growth and do not emit any VOCs or formaldehydes.

• Indoor air quality (IAQ)



LINEAR PANELS – MODULBAC JFC

PAGES 60-61

# Please contact us if you would like perforations on aluminum.

### Sound absorbant insulation



rforster

### **Cut outs and integrations**

• On-site cut outs.





IRR perforation 18%ØIRR

# 



### • Designed to be clipped onto a concealed grid.

• The panel has abutting sides, bevelled edges and open sides.

- Can be used to create long lengths.
- A sleek style by reducing the number of visible joints.
- A reinforced linear appearance.
- Controlled installation costs.
- Can be installed beneath an exterior canopy under certain conditions.





# **Modulbac F**

# > Clipped linear panel with abutting sides and bevelled edges



Installation according to DTU 58.1 (see page 158 for details)

 Hangers with 1400 mm axis regularity and IPS / F 56 runners with 1400 mm axis regularity Perimeter channel trims recommended.





### **Outdoor installation** (see page 158 for details)

Outdoor installation requires particular precautions. It is important to determine the degree of wind and corrosion exposure

on a case-by-case basis. Generally speaking, you should allow for 0.5 to 1 m axis regularity between hangers and runners. Also ensure one hanger for every two has a "anti-lifting" clip at least. We advise using washers between the threaded rod and the runner. The contractor is responsible for submitting its plan to the client for approval. Please contact us for more information.

•  $\alpha_{\rm w}$  0.65 to 0.85 with polythene wrapped wool depending on perforation.  $\cdot \alpha_w$  up to 1 with other sound absorbant insulation depending on

· A2,s1,d0 for the powder postlacquered solutions with or without acoustic veil

Unperforated

92.4/63.6

### Panel dimensions • Widths: 150, 200, 300 mm. • Length on request (min. 900 - advised max. 6000 mm). • Height: 26 mm. • Square edges. Max. self-supporting capacity: 2800 mm for a width of 300 mm. Materials •Galvanised steel 0.5 or 0.6 mm thick depending on the width and length. •Aluminum 0.7 mm thick. **Colours and finishes** •White 137 (≈ RAL 9003) polyester prepainted for inside or outside. •RAL 9006 metallic grey polyester prepainted for inside or outside. • Polyester powder coat: 180 RAL colours on request.



perforation.

**Light reflection** 

### **Perforations on steel** (for scale illustrations: see page 144)



Please contact us if you would like perforations on aluminum.

· Black acoustic veil bonded to the back of the panel on request.

### Sound absorbant insulation

**Cut outs and integrations** 

• On-site cut outs.



### **Environment and health**

CIE Lab index

White 137 / grey 9006

Reaction to fire (see page 152 for details)

· A1 for the prepainted solutions with or without acoustic veil

• Our ceilings can be fully recycled over an indefinite period of time. They are sustainable, easy to maintain, produce no dust, particles or vapour and are inert and odour-free. They do not promote microbial growth and do not emit any VOCs or formaldehydes.

11%Ø1.5

88.1/60.9

20%Ø1.5

85.7/-

• Indoor air quality (IAQ):



LINEAR PANELS – MODULBAC F

PAGES 62-63



# **ESSENTIAL ELEMENTS – LINEAR PANELS**

# Modulbac JC15



### Clipped linear panel with straight sides and bevelled edges, forming a 15 mm closed hollow joint

- Designed to be clipped onto a concealed grid.
- The panel has straight sides and bevelled edges, forming a 15 mm closed hollow joint.

- Can be used to create long lengths.
- A sleek style by reducing the number of visible joints.
- A pronounced linear appearance.
- Controlled installation costs
- Can be installed beneath an exterior canopy under certain conditions.



# Modulbac JC15

recommended.

Absorption

perforation.

**Light reflection** 

> Clipped linear panel with straight sides and bevelled edges, forming a 15 mm closed hollow joint



### Installation according to DTU 58.1 (see page 158 for details) Hangers with 1400 mm axis regularity and IPS / 56 JC15 runners with 1400 mm axis regularity Perimeter channel trims

185/285 Module 200/300



**Outdoor installation** (see page 158 for details)

(see page 150 for details and ap coefficient per 1/3 octave)

 $\cdot \, \alpha_W^{}$  up to 1 with other sound absorbant insulation depending on

+  $\alpha_{\rm W}$  0.65 to 0.85 with polythene wrapped wool depending on perforation.

• A2,s1,d0 for the powder postlacquered solutions with or without acoustic veil

Unperforated

92.4/63.6

11%Ø1.5

88.1/60.9

20%Ø1.5

85.7/-

 $\cdot \alpha_{\rm W}$  0.55 to 0.80 with acoustic veil depending on perforation.

• A1 for the prepainted solutions with or without acoustic veil

Reaction to fire (see page 152 for details)

Outdoor installation requires particular precautions. It is important to determine the degree of wind and corrosion exposure

on a case-by-case basis. Generally speaking, you should allow for 0.5 to 1 m axis regularity between hangers and runners. Also ensure one hanger for every two has a "anti-lifting" clip at least. We advise using washers between the threaded rod and the runner. The contractor is responsible for submitting its plan to the client for approval. Please contact us for more information.

### Panel dimensions • Width of modules (panel + hollow joint): 200 and 300 mm. • Length on request (min. 900 – advised max. 6000 mm). • Height: 26 mm. • Square edges. Max. self-supporting capacity: 2800 mm for a width of 300 mm. Materials •Galvanised steel 0.5 or 0.6 mm thick depending on the width and length. •Aluminum 0.7 mm thick. **Colours and finishes** •White 137 (≈ RAL 9003) polyester prepainted for inside or outside. •RAL 9006 metallic grey polyester prepainted for inside or outside. • Polyester powder coat: 180 RAL colours on request.



Please contact us if you would like perforations on aluminum

### Sound absorbant insulation



**Cut outs and integrations** 



On-site cut outs.



### **Environment and health**

CIE Lab index

White 137 / grey 9006

• Our ceilings can be fully recycled over an indefinite period of time. They are sustainable, easy to maintain, produce no dust, particles or vapour and are inert and odour-free. They do not promote microbial growth and do not emit any VOCs or formaldehydes.

Indoor air quality (IAQ):



### PLAFOMETAL

# Panebac J



# > Clipped linear panel with abutting sides and square edges

- Designed to be clipped onto a concealed grid.
- The panel has abutting sides and square edges.

- Can be used to create long lengths.
- A sleek style by reducing the number of visible joints.
- A discreet linear appearance.
- Good lateral rigidity thanks to the folded ends
- Controlled installation costs.
- Can be installed beneath an exterior canopy under certain conditions.



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Model shown clipped onto its PPH55 runners, direction for indoor installation

# Panebac J

> Clipped linear panel with abutting sides and square edges



Installation according to DTU 58.1 (see page 158 for details) • Hangers with 1400 mm axis regularity 65 and PPH55 runners with 1400 mm axis regularity





### Outdoor installation (see page 158 for details)

 Install the panel in the runner notches provided for outdoor installation. Outdoor installation requires



particular precautions. It is important to determine the degree of wind and corrosion exposure

on a case-by-case basis. Generally speaking, you should allow for 0.5 to 1 m axis regularity between hangers and runners. Also ensure one hanger for every t a "anti-lifting" clip at least. We advise using washers between the threaded the runner. The contractor is responsible for submitting its plan to the client approval. Please contact us for more information.

# Absorption

- (see page 150 for details and ap coefficient per 1/3 octave)
- $\alpha_{\rm W}$  0.55 to 0.80 with acoustic veil depending on perforation.
- $\alpha_{\rm W}$  0.65 to 0.85 with polythene wrapped wool depending on perforation.
- $\alpha_{W}$  up to 1 with other sound absorbant insulation depending on perforation.

**Reaction to fire** (see page 152 for details)

- · A1 for the prepainted solutions with or without acoustic veil
- · A2,s1,d0 for the powder postlacquered solutions with or without acoustic veil

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### Light reflection

CIE Lab index	Unperforated	11%Ø1.5	20%Ø1.5
White 137 / grey 9006 92.4 / 63.6		88.1 / 60.9	85.7 / -

### **Environment and health**

• Our ceilings can be fully recycled over an indefinite period of time. They are sustainable, easy to maintain, produce no dust, particles or vapour and are inert and odour-free. They do not promote microbial growth and do not emit any VOCs or formaldehydes.

• Indoor air quality (IAQ):



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rod and		•
for	Colours and finishes	•
		•

**Materials** 



(min. 900 – advised max. 6000 mm).

Outdoor installation

• Height: 30 mm.

Indoor installation

- Square edges.
- Max. self-supporting capacity: 2800 mm for a width of 300 mm.
- •Galvanised steel 0.5 or 0.6 mm thick depending on the width and length. Aluminum 0.7 mm thick.
  - White 137 (≈ RAL 9003) polyester prepainted for inside or outside. RAL 9006 metallic grey polyester
    - prepainted for inside or outside. Polyester powder coat: 180 RAL colours on request.



Please contact us if you would like perforations on aluminum.

### Sound absorbant insulation



### **Cut outs and integrations**

Cut in the factory under certain conditions.





# Panebac JC3



### > Clipped linear panel with straight sides and square edges, forming a 3 mm closed hollow joint

- Designed to be clipped onto a concealed grid.
- The panel has straight sides and square edges, forming a 3 mm closed hollow joint

- Can be used to create long lengths.
- A sleek style by reducing the number of visible joints.
- A reinforced linear appearance
- Good lateral rigidity thanks to the folded ends.
- Controlled installation costs
- Can be installed beneath an exterior canopy under certain conditions.



Model shown clipped onto its PPH55 runners, direction for indoor installation

# Panebac JC3

> Clipped linear panel with straight sides and square edges, forming a 3 mm closed hollow joint



### Installation according to DTU 58.1 (see page 158 for details)

• Hangers with 1400 mm axis regularity and PPH55 runners with 1400 mm axis regularity



### **Outdoor installation** (see page 158 for details)

 Install the panel in the runner notches provided for outdoor installation. Outdoor installation requires



particular precautions. It is important to determine the degree of wind and corrosion exposure

on a case-by-case basis. Generally speaking, you should allow for 0.5 to 1 m axis regularity between hangers and runners. Also ensure one hanger for every two has a "anti-lifting" clip at least. We advise using washers between the threaded rod and the runner. The contractor is responsible for submitting its plan to the client for approval. Please contact us for more information.

### **Absorption**

- (see page 150 for details and ap coefficient per 1/3 octave)  $\cdot \alpha_{\rm W}$  0.55 to 0.80 with acoustic veil depending on perforation.
- $\cdot \alpha_{\rm W}$  0.65 to 0.85 with polythene wrapped wool depending on perforation.  $\cdot \, \alpha_W^{}$  up to 1 with other sound absorbant insulation depending on

perforation.

Reaction to fire (see page 152 for details)

- A1 for the prepainted solutions with or without acoustic veil
- · A2,s1,d0 for the powder postlacquered solutions with or without acoustic veil

	Light reflection
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CIE Lab index	Unperforated	11%Ø1.5	20%Ø1.5
White 137 / grey 9006	92.4 / 63.6	88.1/60.9	85.7 / -

### **Environment and health**

• Our ceilings can be fully recycled over an indefinite period of time. They are sustainable, easy to maintain, produce no dust, particles or vapour and are inert and odour-free. They do not promote microbial growth and do not emit any VOCs or formaldehydes.

• Indoor air quality (IAQ):



-	Panel dimensions	<ul> <li>Width of modules (panel + hollow joint): 150, 200 and 300 mm.</li> <li>Length on request (min. 900 – advised max. 6000 mm).</li> <li>Height: 30 mm.</li> <li>Square edges.</li> <li>Max. self-supporting capacity: 2800 mm for a width of 300 mm.</li> </ul>
I	Materials	<ul> <li>Galvanised steel 0.5 or 0.6 mm thick depending on the width and length.</li> <li>Aluminum 0.7 mm thick.</li> </ul>
-	Colours and finishes	<ul> <li>White 137 (≈ RAL 9003) polyester prepainted for inside or outside.</li> <li>RAL 9006 metallic grey polyester prepainted for inside or outside.</li> <li>Polyester powder coat: 180 RAL colours or request.</li> </ul>

Indoor installation



Please contact us if you would like perforations on aluminum.

### Sound absorbant insulation



Outdoor installation





# Panebac JC15



# > Clipped linear panel with straight sides and square edges, forming a 15 mm closed hollow joint

- Designed to be clipped onto a concealed grid.
- The panel has straight sides and square edges, forming a 15 mm closed hollow joint.

- Can be used to create long lengths.
- A sleek style by reducing the number of visible joints.
- A marked linear appearance.
- Good lateral rigidity thanks to the folded ends
- Controlled installation costs.
- Can be installed beneath an exterior canopy under certain conditions.



Model shown clipped onto its PPH55 runners, direction for indoor installation

# Panebac JC15

> Clipped linear panel with straight sides and square edges, forming a 15 mm closed hollow joint



### Installation according to DTU 58.1 (see page 158 for details)

 Hangers with 1400 mm axis regularity and 65
 PPH55 runners with 1400 mm axis regularity
 Perimeter channel trims

recommended.



### **Outdoor installation** (see page 158 for details)

 Install the panel in the runner notches
 provided for outdoor installation. Outdoor installation requires



particular precautions. It is important to determine the degree of wind and corrosion exposure

on a case-by-case basis. Generally speaking, you should allow for 0.5 to 1 m axis regularity between hangers and runners. Also ensure one hanger for every two has a "anti-lifting" clip at least. We advise using washers between the threaded rod and the runner. The contractor is responsible for submitting its plan to the client for approval. Please contact us for more information.

### Absorption

(see page 150 for details and ap coefficient per 1/3 octave)

- $\alpha_{\rm W}$  0.55 to 0.80 with acoustic veil depending on perforation.
- $\cdot$   $\alpha_W$  0.65 to 0.85 with polythene wrapped wool depending on perforation.  $\cdot$   $\alpha_W$  up to 1 with other sound absorbant insulation depending on perforation.

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**Reaction to fire** (see page 152 for details)

• A1 for the prepainted solutions with or without acoustic veil

• A2,s1,d0 for the powder postlacquered solutions with or without acoustic veil

X	Light reflection
	CIE Lab inde

CIE Lab index	Unperforated	11%Ø1.5	20%Ø1.5
White 137 / grey 9006	92.4 / 63.6	88.1/60.9	85.7 / -

### Environment and health

• Our ceilings can be fully recycled over an indefinite period of time. They are sustainable, easy to maintain, produce no dust, particles or vapour and are inert and odour-free. They do not promote microbial growth and do not emit any VOCs or formaldehydes.

Indoor air quality (IAQ):



Panel dimensions	<ul> <li>Width of modules (panel + hollow joint): 150, 200 and 300 mm.</li> <li>Length on request (min. 900 – advised max. 6000 mm).</li> <li>Height: 30 mm.</li> <li>Square edges.</li> <li>Max. self-supporting capacity: 2800 mm for a width of 300 mm.</li> </ul>
Materials	<ul> <li>Galvanised steel 0.5 or 0.6 mm thick depending on the width and length.</li> <li>Aluminum 0.6 or 0.7 mm thick.</li> </ul>
Colours and finishes	<ul> <li>White 137 (≈ RAL 9003) polyester prepainted for inside or outside.</li> <li>RAL 9006 metallic grey polyester prepainted for inside or outside.</li> <li>Polyester powder coat: 180 RAL colours or request.</li> </ul>

Indoor installation



Please contact us if you would like perforations on aluminum.

### Sound absorbant insulation

• Black acoustic veil bonded to the back of the panel on request.

### Cut outs and integrations

• Cut in the factory under certain conditions.

Outdoor installation

PLAFOMETAL