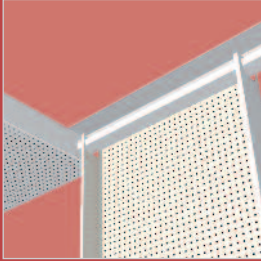


CREATIVE ELEMENTS – OPENING PANELS

Orial / Orial fire-resistant



> Swing-down opening panel from both sides, concealed grid

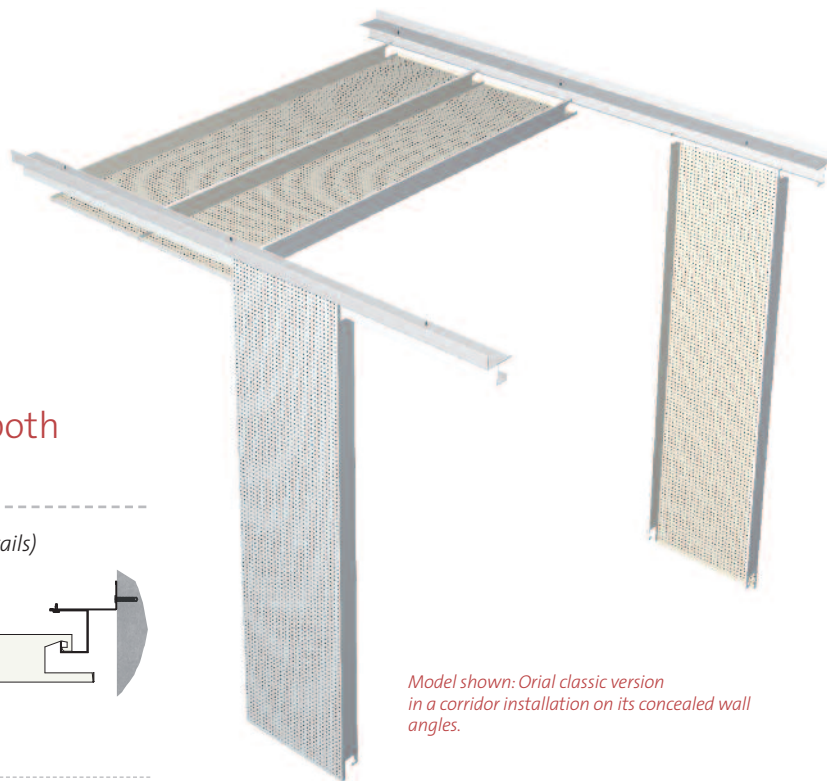
- Designed to be installed on a special concealed grid.
- Notches mean that the panel can be suspended on the grid and swung down from one side or the other.
- The 1/4 h and 1/2 h fire-resistant versions are intended for use in shared-use corridors inside high-rise buildings.

Product benefits

- Length can be adapted as required; system is quick and easy to install.
- Can be swung down from one side or the other, to allow the entrance of people from a side door.
- Absorbs alignment gaps with vertical partitions because of a grid with an offset edge.
- Hollow edge joint, enabling ventilation of the plenum when used in a hospital.
- Available in a fire-resistant version.



FOR FREQUENT ACCESS IN CORRIDORS WITHOUT HAVING TO DISASSEMBLE THE PANEL



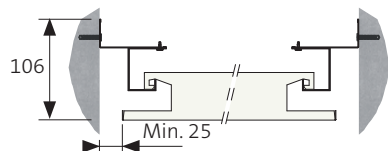
Orial / Orial, fire-resistant

> Swing-down opening panel from both sides, concealed grid

Installation according to DTU 58.1 (see page 146 for details)
(except for the fire-resistant versions; see below)

Installation in corridor

Wall profiles to be fixed to the wall and Orial hinged profiles to be screwed underneath the wall profiles.



Model shown: Orial classic version in a corridor installation on its concealed wall angles.

Disassembly for access to the plenum

The panel is opened by pushing it upwards and then sliding it sideways to liberate it from the hinged profile. The panel swings down and remains suspended on the opposite profile. The panel is repositioned in reverse, ensuring that the panel is correctly positioned so as to respect the alignment between one element and the next.

Absorption (see page 138 for details)

For "acoustic" panels :

- α_w up to 0.85 (standard)*
- α_w up to 1 (premium)*

For "classic" panels :

- α_w of 0.20

* α_w values may vary depending on perforations and absorbant material.

Reaction to fire (see page 140 for details)

- A1 for the pre-painted solutions with or without acoustic fleece.
- A2,s1,d0 for the powder coated solutions with or without acoustic fleece.

Resistance to fire (see page 142 for details)

France

The Orial fire-resistant versions offers fire-resistance performance of FS 1/4 h and FS 1/2 h pursuant to the EFECTIS test described in Appendix 1. Section 2.5 of the Regulation of 22 March 2004 and meet applicable French fire regulations for shared-use corridors inside high-rise buildings. The fire-resistant panels and edge profiles are specific and must be installed in conformity with applicable classification reports and appendices. Please contact us.

Light reflection

CIE Lab index	Unperforated	11%Ø1.5	22%Ø1.5
White 137 / grey 9006	92.4 / 63.6	88.1 / 60.9	85.7 / -

Environment and health

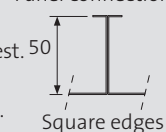
- Our ceilings can be fully recycled over an indefinite period of time. They are sustainable, easy to maintain, produce no dust, particles or vapour and are inert and odour-free. They do not promote microbial growth and do not emit any VOCs or formaldehydes.
- Indoor air quality (IAQ):



Panel dimensions

- Widths: 300, 400 and 600 mm. Others available upon request.
- Length upon request (min. 800 – max. 2500 mm).
- Height: 50 mm.
- Max. self-supporting capacity: 2500 mm for a width of 300 mm in the classic version.
- Note the height under the ceiling for the opening.

Panel connection



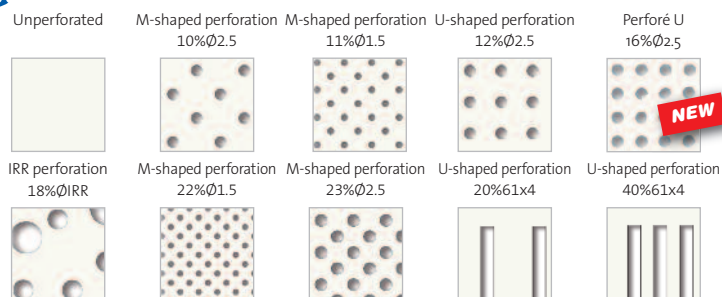
Materials

- Galvanised steel 0.6 or 0.8 mm thick depending on the width and length.

Colours and finishes

- White 137 (≈ RAL 9003) polyester pre-painted.
- RAL 9006 metallic grey polyester pre-painted upon request.
- Polyester powder coating: 180 RAL colours upon request.

Perforations on steel (for scale illustrations: see page 132)



Sound absorbant insulation

- Black acoustic fleece bonded to the back of the panel on request.

Reservations, integrations (see page 128 for possibilities)

- Factory cut outs on request.