

Acoustiroc®

ACOUSTIC METAL WALL PANEL

Edition 3



α_w up to 1



Proven impact
resistance



Wide range of
aesthetic options

PLAFOMETAL

Discover the Acoustiroc® system!



In high-traffic areas (schools, industrial facilities...), it is essential to consider the comfort of both occupants and facility managers.

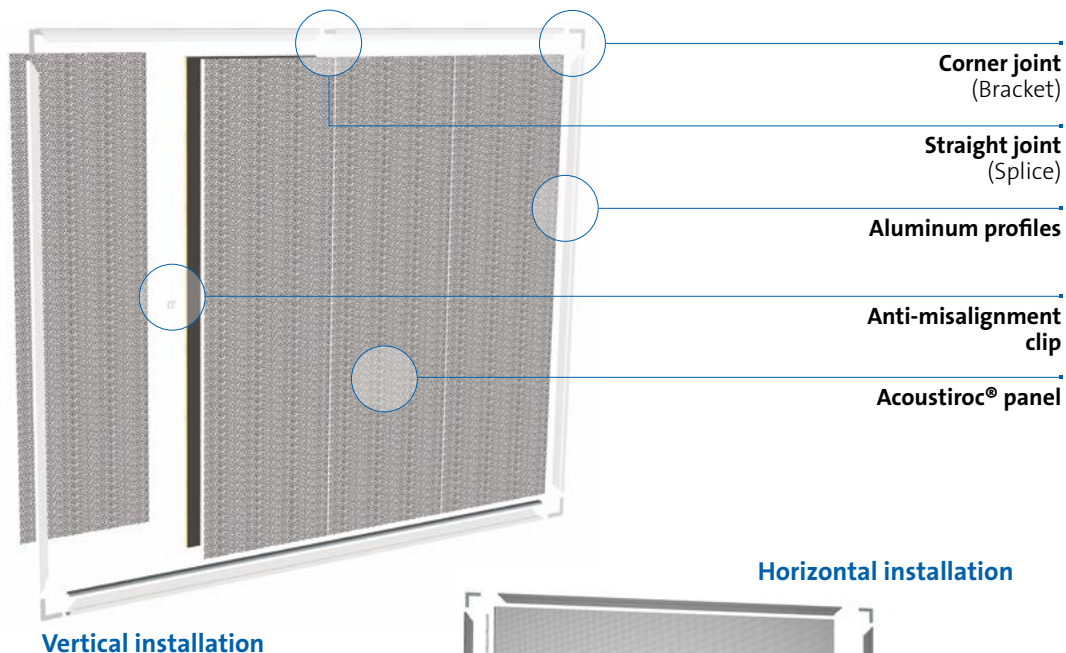
These facilities must meet several needs: acoustic treatment, aesthetics, impact resistance, and ease of maintenance and cleaning.

Plafometal offers a solution that meets these multiple needs: Acoustiroc® is a wall-mounted solution consisting of perforated, painted metal panels lined with acoustic fleece and mineral wool, inserted into an aluminum frame.

The Acoustiroc® system can be installed in all types of buildings and is particularly recommended for:

- **in educational facilities (cafeterias, corridors, gymnasiums, ...)**
- **in lobbies / corridors of public-access buildings (hotels, restaurants, multifamily housing...)**
- **in technical rooms (industrial environments, rooms with equipment noise...)**

Components of the Acoustiroc® system



The +

- **High acoustic treatment** Absorption coefficient: α_w up to 1
- **Proven impact resistance** with various everyday objects (NF P 08-301 standard)
- **Wide range of aesthetic options** 3 perforation patterns and 12 colors «Soft Touch» available Vertical or horizontal installation
- **Air quality A**

From project supply through service life, Acoustiroc® meets everyone's needs



Building owners and facility managers:

- Fast and easy installation
- Clean installation
- Occupant comfort
- Facility manager benefits: impact resistance, easy maintenance and cleaning

Specifiers:

- Easy-to-specify solution
- Effective and robust acoustic treatment system
- Aesthetics: wide choice of modern colors and creative options
- Impact resistance

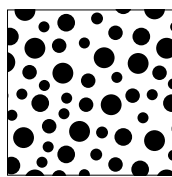
Installers:

- Simple and quick to install
- Easy to order, straightforward supply
- Complete solution delivered as a kit
- Small quantities (minimum order: 1 package = 2 panels)

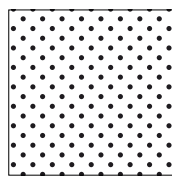
A solution for everyone's comfort!

Acoustics

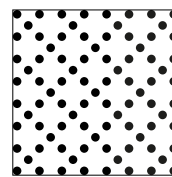
- A good acoustic environment makes a space more comfortable and more conducive to calm, work, and confidentiality...
- Drawing on its experience in acoustic metal ceilings, Plafometal has designed a highly effective wall-mounted solution for acoustic treatment. Perforated and fitted with suitable infill, the metal panels absorb sound energy and provide high sound absorption performance.



**Acoustiroc®
ORION**
25% Ø3 to 7
(round, irregular)
 $\alpha_w = 1$
NRC: 0.95



**Acoustiroc®
INFINITY**
11% Ø1.5 (round,
regular)
 $\alpha_w = 0.95$
NRC : 0.90



**Acoustiroc®
ASTRAL**
17% Ø2.5 (round,
regular)
 $\alpha_w = 0.95$
NRC : 0.90

Aesthetic

- Colors influence perception, visual comfort, and the character of spaces. They create an atmosphere, structure volumes, and bring a sense of vitality to building interiors.
- **The Acoustiroc® panel was designed to let creativity flow freely, with:**
 - **3 perforation patterns :** - **Acoustiroc® ORION** : provides a particularly creative result - **Acoustiroc® INFINITY**: ensures a very discreet appearance - **Acoustiroc® ASTRAL**: introduces a touch of originality

Because the perforation is continuous over the panel height, the alignment of the perforations varies from one panel to another, without affecting the overall visual appearance once the panels are installed.

- **A range of 12 modern colors**, inspired by current trends, with a premium “Soft Touch” feel. These colors can be combined to create an infinite number of combinations for fully customized projects.
- **2 installation options**, vertical or horizontal

Impact resistant

- **The Acoustiroc® panels** have been tested according to NF P 08-301.
 - Soft body impact test (50 kg bag): withstands up to 400 J
 - Tennis ball impact test: withstands a throw of up to 180 km/h



Environmental performance

- **The Acoustiroc® panel is made of recyclable materials:**
 - Steel and aluminum can be recycled indefinitely, without any loss of quality. Steel is the most recycled material in the world, while aluminum recycling meets nearly 40% of global demand.
 - Mineral wool is recyclable, and the majority of production waste is recycled. The mineral wool used in Acoustiroc® panels contains 45% recycled content.

A range of contemporary colors for fully customized projects!

Current trends have inspired 3 color palettes that are perfectly in tune with the times. From the most timeless to the most vibrant, these 12 shades will enhance your projects.

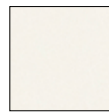
All these palettes can be coordinated to create a wide variety of styles. Monochrome walls, touches of bright color in a neutral setting, or alternating colors—vary the possibilities to find the perfect, unique combination for your projects.

The Essentials for an “Urban” style

- Contemporary, urban, and industrial shades
- A graphic range of timeless grays, from lightest to darkest



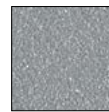
The Essentials



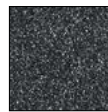
PURE
WHITE
(RAL 9010)



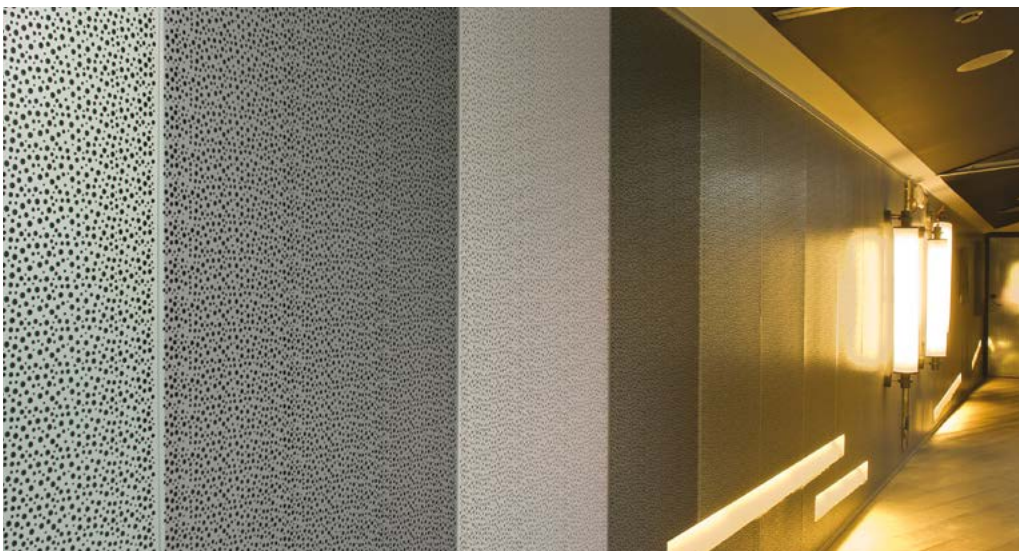
WHITE
ARCTIC



GRAY
SILVER



GRAY
ASPHALT



The Minérales for a “Chic & Elegant” feel

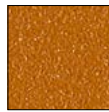
- 3 warm shades and 1 cool shade
- Powdered colors for a classic, high-end look



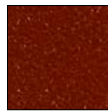
The Minérales



SAND
QUARTZ



ORANGE
COPPERY



RED
BRICK



BLUE
AZURITE



The Tonics for a “Vibrant” atmosphere

- A balanced range with lively, bright, and energizing accents
- Colors in tune with the times, inspired by youth, play, and eccentricity



The Tonics



BLUE
PASTEL



GREEN
ANISE



YELLOW
GOLDEN



ORANGE
VERMILION

The +

- The “Soft Touch” finish provides a premium tactile feel in these colors specifically selected by Plafometal.

This textured matte finish brings warmth to the metal by creating depth.

It is applied to all colors except Pure White and Anise Green.

*Colors shown are for reference only.
The finish may vary depending on the perforation pattern.
Contact your sales representative to view a sample.*

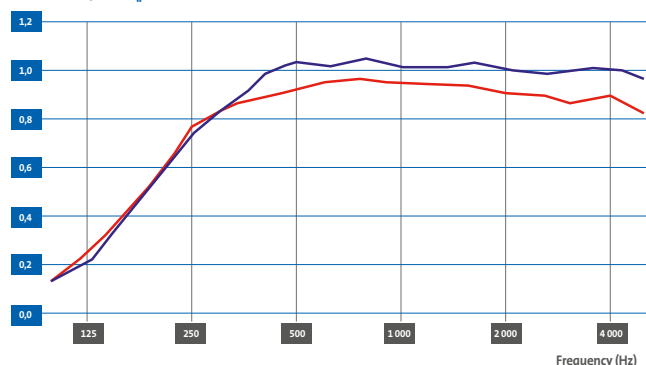
Acoustiroc®

Wall-mounted acoustic treatment system composed of perforated, painted metal panels lined with acoustic fleece and mineral wool and inserted into an aluminum frame.



Acoustic

Acoustic absorption (α_w)



— Acoustiroc® ORION — Acoustiroc® INFINITY
Acoustiroc® ASTRAL



Reaction to fire

■ Classification A2-s1, d0



Impact resistance

- Acoustiroc® panels have been tested according to NF P 08-301.
- Soft body impact test (50 kg bag): withstands up to 400 J
- Impact test with tennis ball: withstands a throw up to 180 km/h



Environment and health

■ Environment

Metals (aluminum and steel) are 100% recyclable. Mineral wool is recyclable and the majority of production waste is recycled. The results of the life cycle analysis (LCA) of the Acoustiroc® panel are compiled in a verified FRENCH ENVIRONMENTAL AND HEALTH DECLARATION (FDES) and downloadable on the national INIES database (www.inies.fr) and on our website. For more information, please contact us.

■ Health

Rock wool panels are manufactured with fibers exempt from classification as carcinogenic under European Regulation 1272/2008, as amended by European Regulation 790/2009. This exemption is certified by the European Certification Board (EUCEB - www.euceb.org). According to the International Agency for Research on Cancer, mineral wools cannot be classified as to their carcinogenicity to humans (Group 3).

■ Air quality

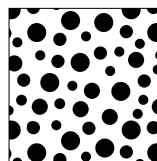
Acoustiroc® is rated A.



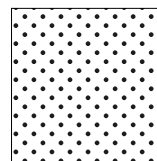
Maintenance and cleaning

- By nature, our metal panels require very little maintenance.
- Various cleaning methods are available; refer to the installation instructions at www.plafometal.com
- Never use abrasive products.
- For use in humid environments: please contact us.

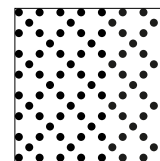
Perforations



Acoustiroc® ORION
25% Ø3 to 7 (round, irregular)
 $\alpha_w = 1$
NRC: 0.95



Acoustiroc® INFINITY
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Because the perforation is continuous over the panel height, the alignment of the perforations varies randomly from one panel to another, without affecting the overall visual appearance once the panels are installed.

Colors

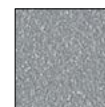
The Essentials



PURE WHITE
(RAL 9010)



* **ARCTIC WHITE**



* **SILVER GRAY**



* **ASPHALT GRAY**

The Minérales



* **SAND QUARTZ**



* **COPPER ORANGE**



BRICK RED



* **AZURITE BLUE**

The Tonics



PASTEL BLUE



ANISE GREEN



GOLDEN YELLOW



VERMILION ORANGE

* Metallic paint The «Soft Touch» matte finish is applied to all colors except Pure White and Anise Green.

Module dimensions

Width	790 mm
Height*	2 700 mm
Panel thickness	40 mm
Sheet thickness	0.8 mm

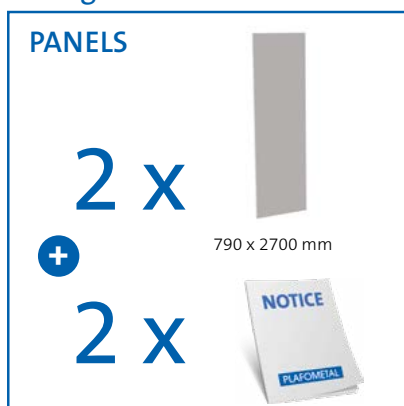
*Height between 2,100 and 3,900 mm on request

Practical kit packaging

The components of the Acoustiroc® system

	Description <i>Dimensions</i>	Quantity	Packaging	
	Acoustiroc® panel 790x2700x40 mm	Depending on configuration	Package no. 1.1 (Panels)	2 panels per package
	Shim 13x38x13 Length 1,580 mm	0.5 per panel	Package no. 1.2 (Installation kit panels)	1 shim per package
	Anti-misalignment clip for vertical installation	1 to 2 per joint		4 clips per package
	Wall fixing clip for horizontal installation	3 per panel		6 clips per package
	Aluminum profile 65x46x30 Length 2,800 mm	Depending on configuration	Package No. 2 (Profile kit)	6 profiles per package
	Corner joint	4 per frame		6 units per package
	Straight joint	Depending on configuration		6 units per package

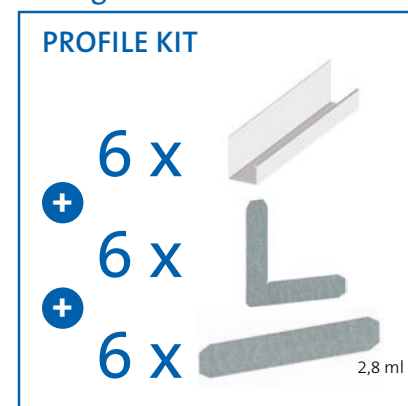
Package No. 1.1



Package No. 1.2



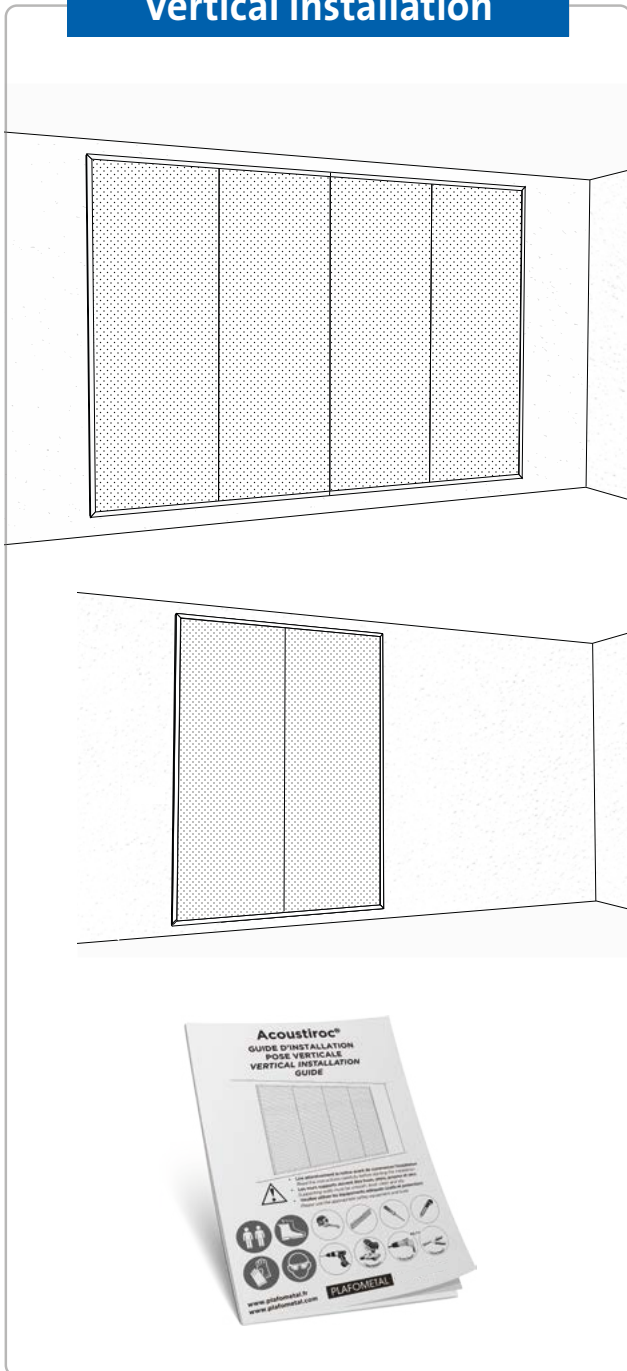
Package No. 2



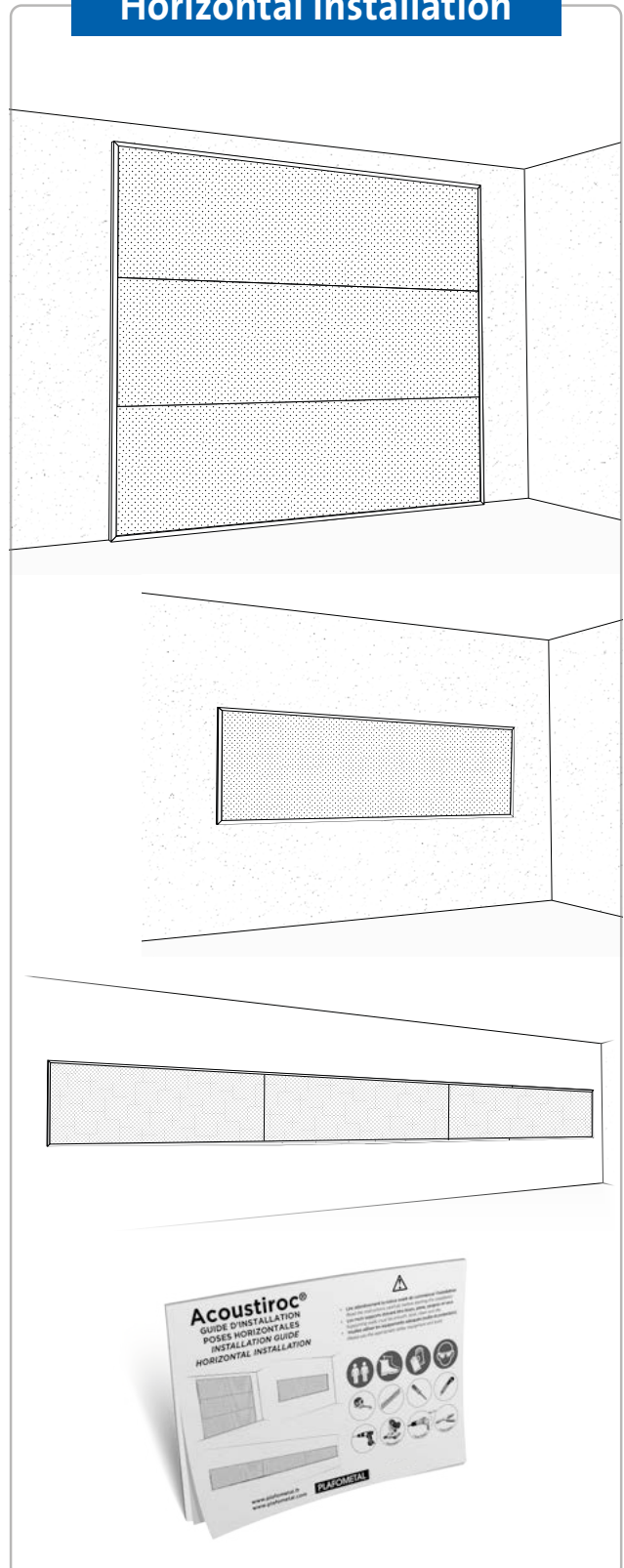
Packages No. 1.1 and 1.2 cannot be separated

Different installation options for greater aesthetic flexibility!

Vertical installation



Horizontal installation



- Easy to install in a few steps
- Refer to the installation instructions available at www.plafometal.com and in printed form in each package
- Easy to clean after installation and throughout the product life

Fast and efficient logistics !

Two offer levels to meet all needs

- Easy to order
 - Small quantities (minimum order: 1 package = 2 panels)
- Conditions valid in mainland France and subject to availability*



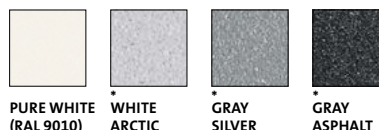
Standard offer

- **Color:** 12 selected Plafometal colors
- **Dimensions:** 2700x790x40mm
- **3 perforation patterns:** Acoustiroc® Orion, Acoustiroc® Infinity or Acoustiroc® Astral
- **Lead time:** • 4 to 9 business days for Pure White (RAL 9010) • 10 to 14 business days for the other 11 colors in the range
- **Delivery conditions:** Refer to the logistics charter (see website)
- **Minimum quantity:** 1 package (2 panels)

Other colors and heights on request

- **Color:** Powder coating for post-lacquering on request from the RAL color chart
- **Dimensions:** Height on request $2.1 \text{ m} \leq H \leq 3.9 \text{ m}$
- **3 perforation patterns:** Acoustiroc® Orion, Acoustiroc® Infinity or Acoustiroc® Astral
- **Lead time:** Contact us
- **Minimum quantity:** 1 pallet (8 packages)

The Essentials



The Minérales



The Tonics

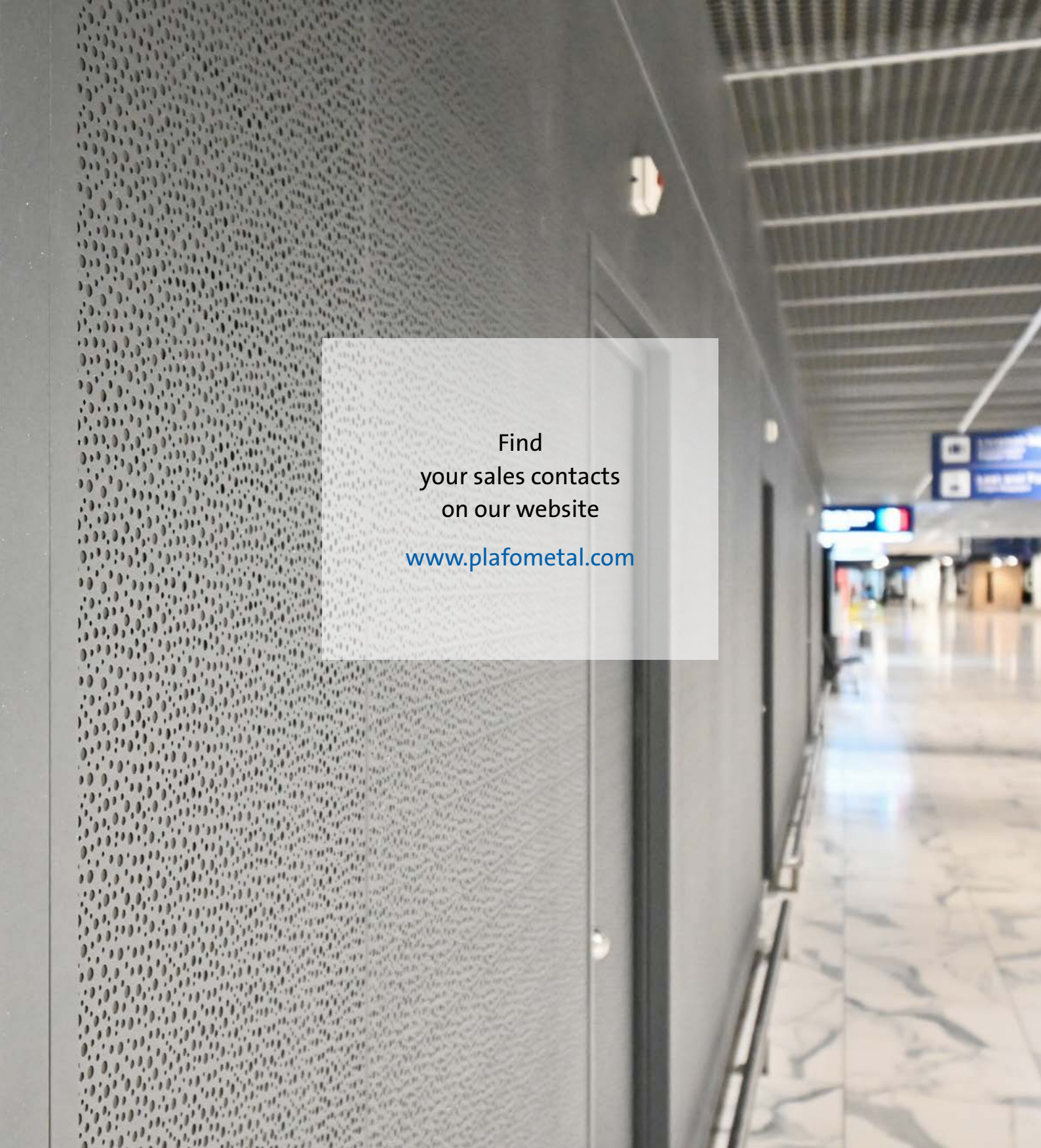


* Metallic paint The "Soft Touch" finish is applied to all colors except Pure White and Anise Green.



CONTACT CUSTOMER SERVICE

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Find
your sales contacts
on our website
www.plafometal.com

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