VMZINC®
& PERFORATED FACADE

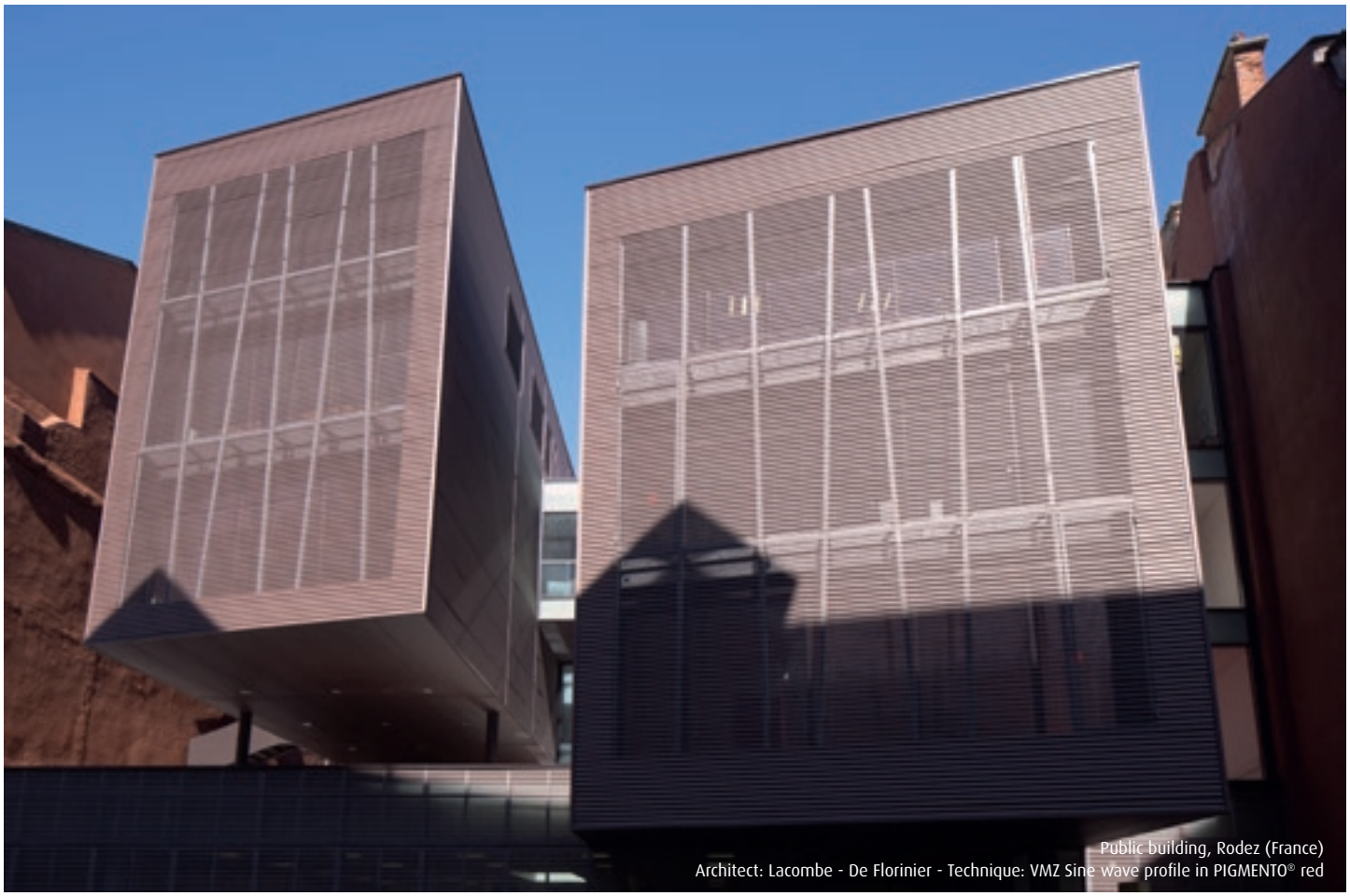
VMZINC
passionate about zinc

Cover:
Maricopa County, Phoenix Arizona (USA)
Architect: Gabor Lorant Architects, Inc.
Perforated sheet in QUARTZ-ZINC®

Use of zinc is changing and adapting to architectural trends, especially to meet requirements in terms of interior comfort and energy saving. An opaque material by nature, it can become a mesh, lace or veil on a building envelope thanks to perforation. A specialist in rolled zinc building solutions, VMZINC® offers a wide range of standard or made-to-order perforations according to the aesthetics and degree of transparency sought.

Saint-Laud Parking, Angers (France)
Architect: Azema Architectes - Installer: Axima
Technique: perforated sheet in QUARTZ-ZINC®

Plays of light



Public building, Rodez (France)
Architect: Lacombe - De Florinier - Technique: VMZ Sine wave profile in PIGMENTO® red

Perforations provide a new means of customising buildings. Envelopes can be clad in meshes to make facades vibrate and create plays of shadow and light, changing the way in which the material is perceived. In the day time, VMZINC® perforated zinc gives the building a dynamic, lightweight appearance. At nightfall, it seems to disappear, revealing the illuminated core of the building, or animates the facades when used with LED backlights.

Plays of light

transparency

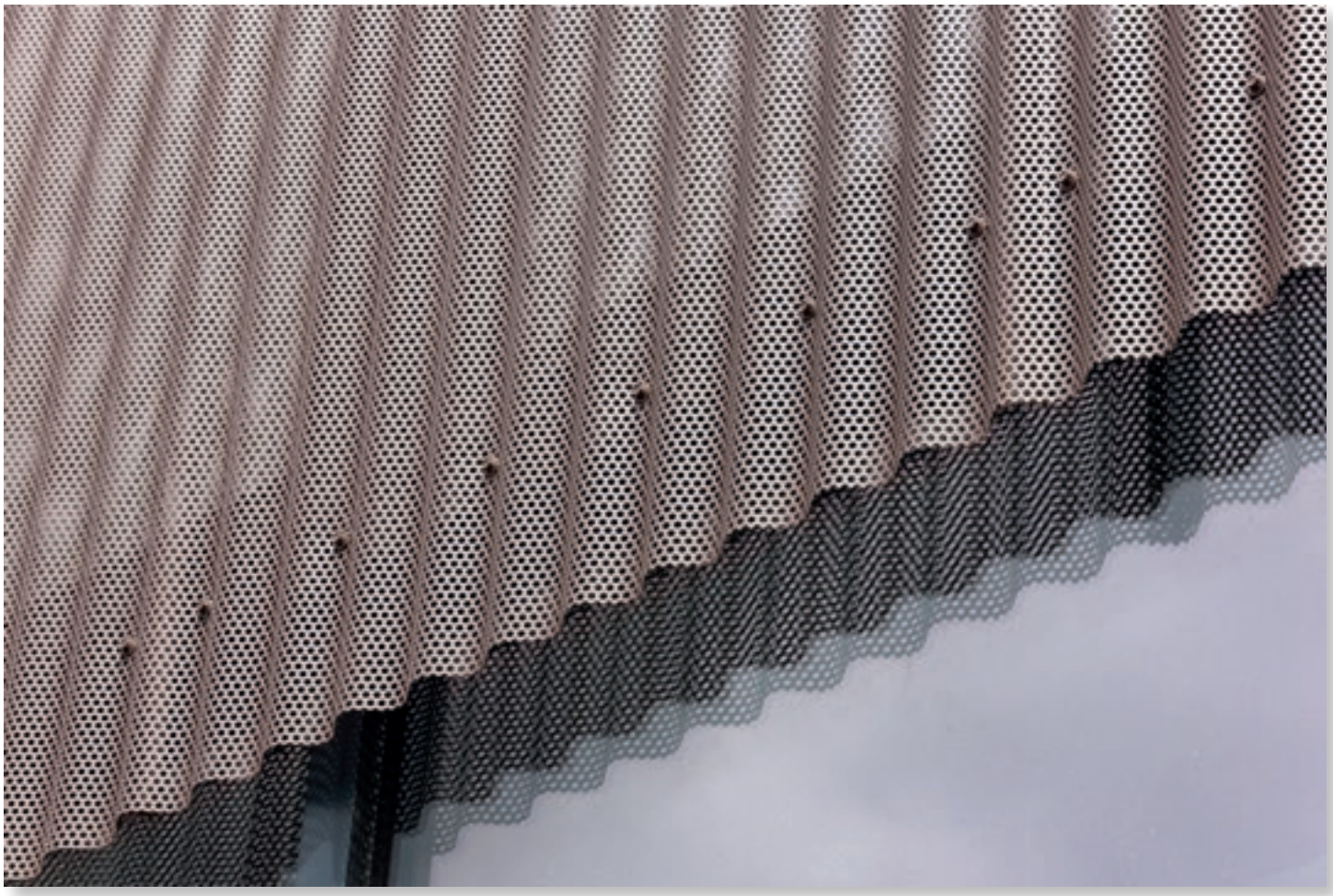
Perforation is an original mode of expression that is becoming increasingly popular

1 | 2 | 3 | 4

1 Public building, Ambares et Lagrave (France) - Architect: King Kong Five - Technique: VMZ Interlocking panel in ANTHRA-ZINC®
2 Offices, University of Carthagena (Spain) - Architect: José Manuel Chacon Bulnes - Technique: Perforated sheets in QUARTZ-ZINC®
3 Commercial center, Trichy (India) - Architect: Ar. Vimal Raj - VMZ Interlocking panel / Perforated sheet in QUARTZ-ZINC®
4 - School, Aurillac (France) - Architect: Trinh et Laudat - Technique: VMZ Interlocking panel in PIGMENTO® green

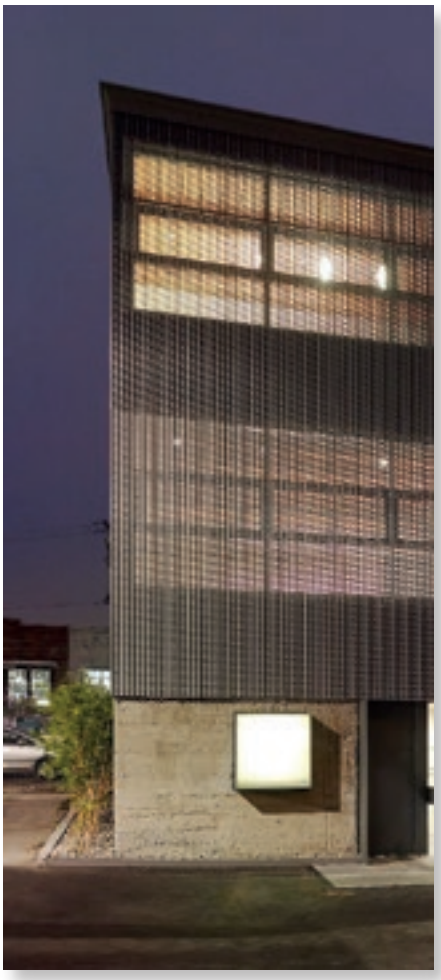
among architects.

Plays of light



vibration

These multi-shaped perforations, combined with the various VMZINC cladding



1 2 3

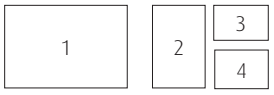
light

1 Office building, Villedieu les Poeles (France) - Architect: Charpentier Nicolas - Technique: VMZ Sine wave profile in PIGMENTO® red
2 Matarozzi Pelsinger building (USA) - Architect: Aidlin Darling Design / Mark Cavagnero Associates - Technique: Perforated panels in QUARTZ-ZINC®
3 The Poetry Foundation, Chicago (USA) - Architect: John Ronan Architects - Technique: VMZ Sine wave profile in ANTHRA-ZINC®

systems, enrich the texture of facades and give them rhythm.

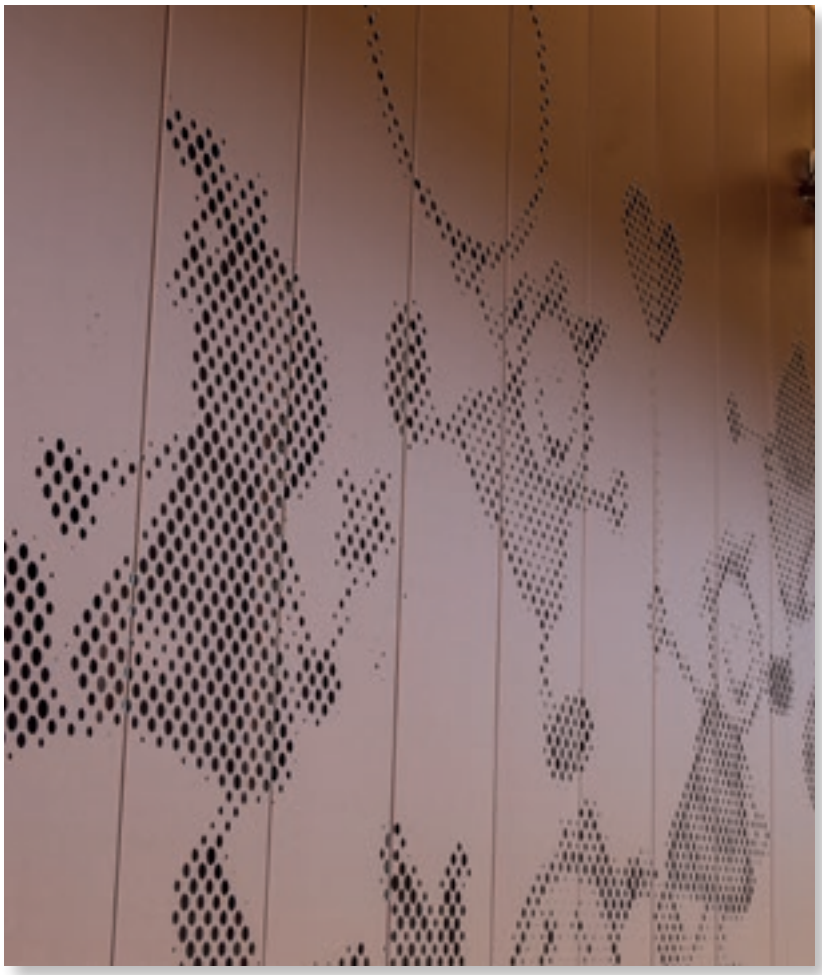
Plays of light

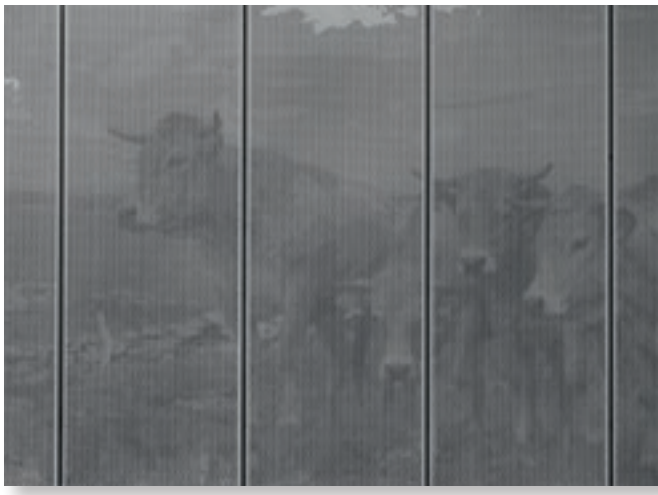
mesh



1 Cirrus Logic, Austin Texas (USA) - Architects: Ambrose, McEnany and House ; Munoz + Albin
2 Françoise Dolto Children House, Sainte Savine (France) - Architecte: Anne Toutut - Perforated cassette in PIGMENTO® red
3 Bowling, Onet le Château (France) - Architecte: Eric Gadou - Technique: Perforated cassette in QUARTZ-ZINC®
4 Perforated cassette in QUARTZ-ZINC®

With 30% of perforation, the transparent effect is more striking. The form, dimensions and





creation

distribution of perforations are defined on request, according to project requirements.

Design school, Melbourn (Australia)
Architect: John Wardle Architects - Technique: corrogated panels in QUARTZ-ZINC®

Thermal comfort

Ateliers du CFA, Mende (France) - Architects: Hélène Brouillet and Anne Delmas-Jarousse
Technique: VMZ Composite perforated in PIGMENTO® red

The use of VMZINC perforated cladding systems in front of windows improves the thermal performance of buildings by significantly reducing the use of air conditioning thanks to natural regulation of temperature. The sunscreens filter the heat while retaining natural light inside the building. This curtain-filter also protects occupants from exterior view.

Thermal comfort

filter

Perforated zinc provides solar protection and contributes to the energy efficiency of

1 | 2 | 3

sun-screen

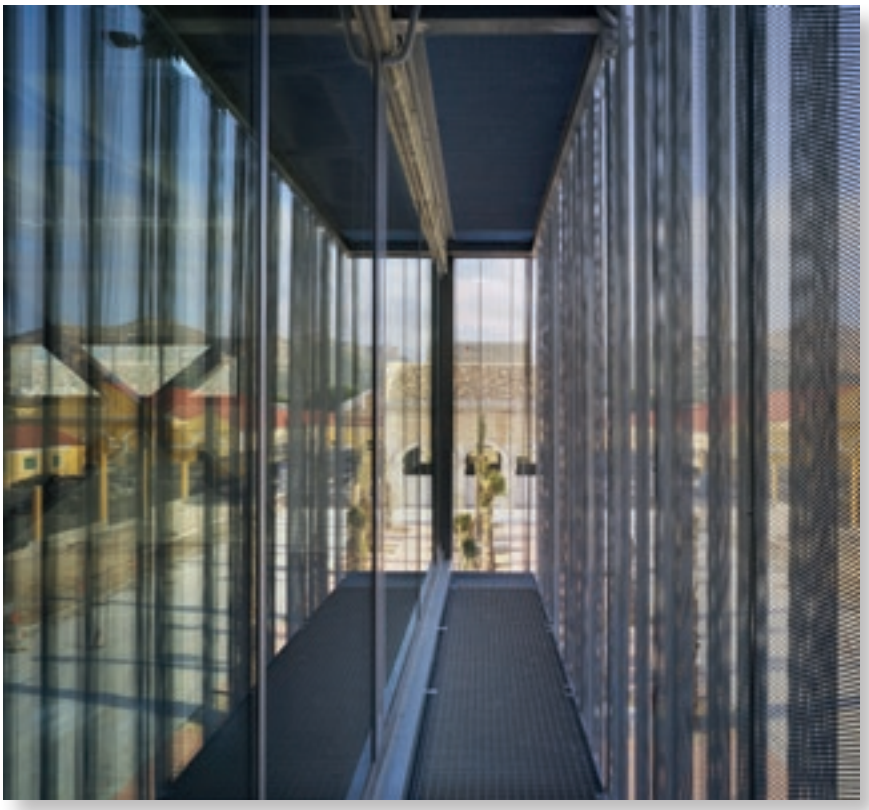
1 Office building, Santander (Spain) - Architecte: AAB Arquitectura y Urbanismo - Technique : VMZ Standing seam in ANTHRA-ZINC®
2 IInformation center, Stonehenge (Great Britain) - Architect: Angela Dapper and Dominic Davey - Technique: VMZ Composite in QUARTZ-ZINC®
3 Jules Vernes School, Chatenay Malabry (France) Architect: ARCHI5PROD - Technique: VMZ Standing seam in QUARTZ-ZINC®, PIGMENTO® blue, AZENGAR®

buildings, especially on exposed facades.

Thermal comfort

privacy

It contributes to interior well-being and allows natural light to flood into living spaces



1 | 2 | 3 / 4

1 The Poetry Foundation, Chicago (USA) - Architect: John Ronan Architects - Technique: VMZ Sine wave profile in ANTHRA-ZINC®
2 Offices, University of Carthagena (Spain) - Architect: José Manuel Chacon Bulnes - Technique: Perforated and folded sheet in QUARTZ-ZINC®
3 Matarozzi Pelsinger building (USA) - Architect: Aidlin Darling Design / Mark Cavagnero Associates - Technique: Perforated panels in QUARTZ-ZINC®
4 Public building, Gerzat (France) - Architect: Bourdonnais Jacob - Technique: Perforated panels in PIGMENTO® red

comfort

while ensuring the privacy of occupants.

Eiffel Tower reception, Paris (France)
Architect: Galiano Simon
Perforated panels in QUARTZ-ZINC®

An ideal material

Thanks to its self-protective properties, perforated zinc acquires a natural patina. There is no risk of corrosion on cut edges. The intrinsic qualities of zinc make it an ideal material for perforated cladding systems. The elegance and lifespan of the project are ensured over the long term.

An ideal material

protection

Zinc's patina forms over a period of 6 to 24 months, according to climate, exposure of

resilience

the site and harshness of the atmosphere.

1 2

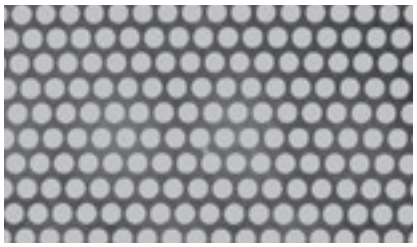
1 Design school, Melbourn (Australia)
Architect: John Wardle Architects - Technique: corrogated panels in QUARTZ-ZINC®
2 Private house (Singapour) - Architect: C.S.Y.A. Studio Pte Ltd. - Technique: VMZ Sine wave profile in QUARTZ-ZINC®

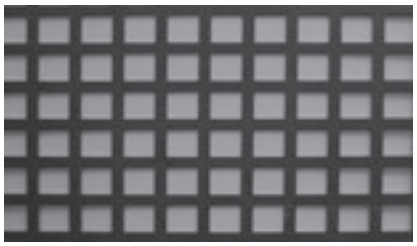
The VMZINC® offer

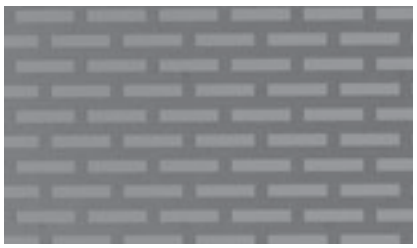
Examples of standard perforations

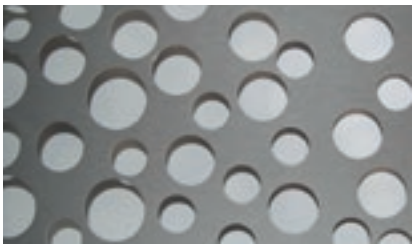
Examples of made-to-order perforations

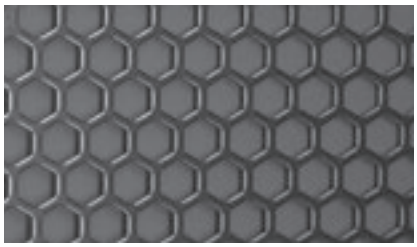
Examples of perforations using a pixelated image

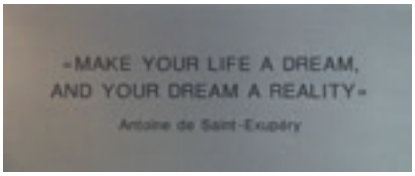






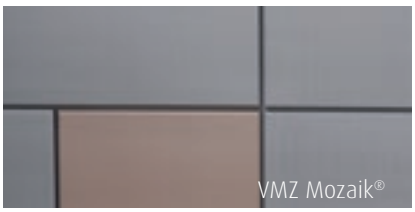






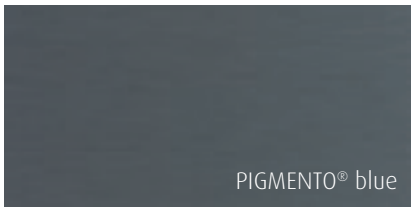
Many standard and made-to-order perforations are possible, with up to 67% of hollowness.

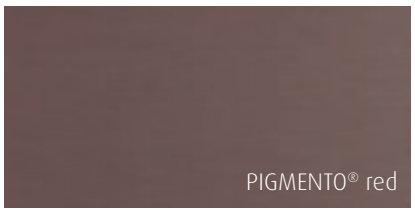
VMZINC facade systems that can be perforated



Examples of customised perforated solutions

Surface aspects





VMZINC supports you throughout the completion of your perforated zinc projects: right from the design phase, our teams advise you in defining the shape of perforation and the choice of the most suitable standard or customised facade system.

VMZINC

www.vmzinc.com