



# VMZINC® & PERFORATED FACADE



VMBUILDINGSOLUTIONS





**Offices, Dinan (France)**

Architect: Ateliers Cub 3

Technique: MOZAIK® in QUARTZ-ZINC®



**El Corte Inglés, Albacete (Spain)**

Architect: El Corte Inglés, Antonio Ramos

Technique: VMZINC® Interlocking panel in AZENGAR®



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.

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

Charles Renouvier high school, Prades (France) ▶  
Architect: Gotanègre & Verneersch,  
Charmard & Fraudet  
Technique: VMZINC® Corrugated panel in QUARTZ-ZINC®





# Plays of light

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

Perforation is an original mode of expression that is becoming increasingly popular among architects.







1

2

#### 1 Showroom Fermalux, Erpent (Belgium)

Architect: Architectural Management

Technique: Perforated sheet in QUARTZ-ZINC®

Photo: JUMP PICTURE

#### 2 Ex-sellerie, Turin (Italy)

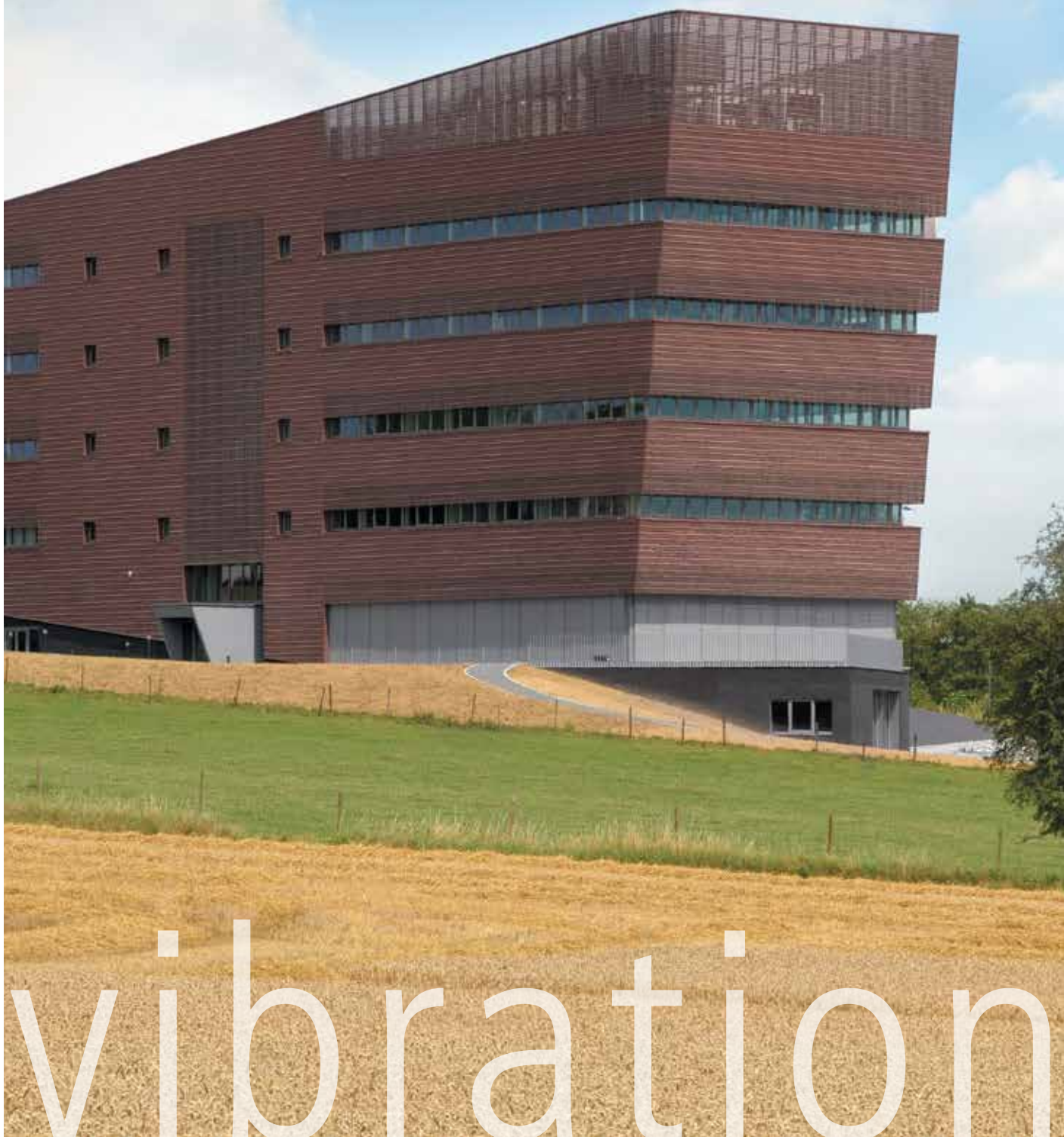
Architect: Studio Associato di Architettura Comoglio

Technique: VMZINC® Interlocking panel  
and Perforated sheet in PIGMENTO® green

Photo: B. Giardino

# Plays of light

These multi-shaped perforations, combined with the various VMZINC cladding systems, enrich the texture of facades and give them rhythm.







### 1 Creagora, Champion (Belgium)

Architect: Ad' A & ATELIER 4D

Technique: VMZINC® Corrugated panel in PIGMENTO® red

Photo : JUMP PICTURE

### 2 High school, Aurillac (France)

Architect: Trinh et Laudat

Technique: VMZINC® Interlocking panel  
in PIGMENTO® green

### 3 Tourist Office, Torreilles (France)

Architect: Bernard Cabanne et Michel Génis architectes

Technique: VMZINC® Sinus profile in AZENGAR®

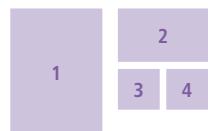


## Plays of light

With 30% of perforation, the transparent effect is more striking. The form, dimensions and distribution of perforations are defined on request, according to project requirements.

mesh





#### 1 Nursing home, Onet-le-Château (France)

Architect: SCP CL Architecture

Technique: VMZINC® Standing seam  
and Made-to-order shapes in AZENGAR®

#### 2 Gustave Eiffel high school, Gagny (France)

Architect: Marc Nicolas Architectures

Technique: VMZINC® Interlocking panel  
and VMZINC® Standing seam  
in AZENGAR® and ANTHRA-ZINC®

#### 3 Pool, Crolles (France)

Architect: Atelier Metis

Technique: VMZINC® Interlocking panel  
in PIGMENTO® red

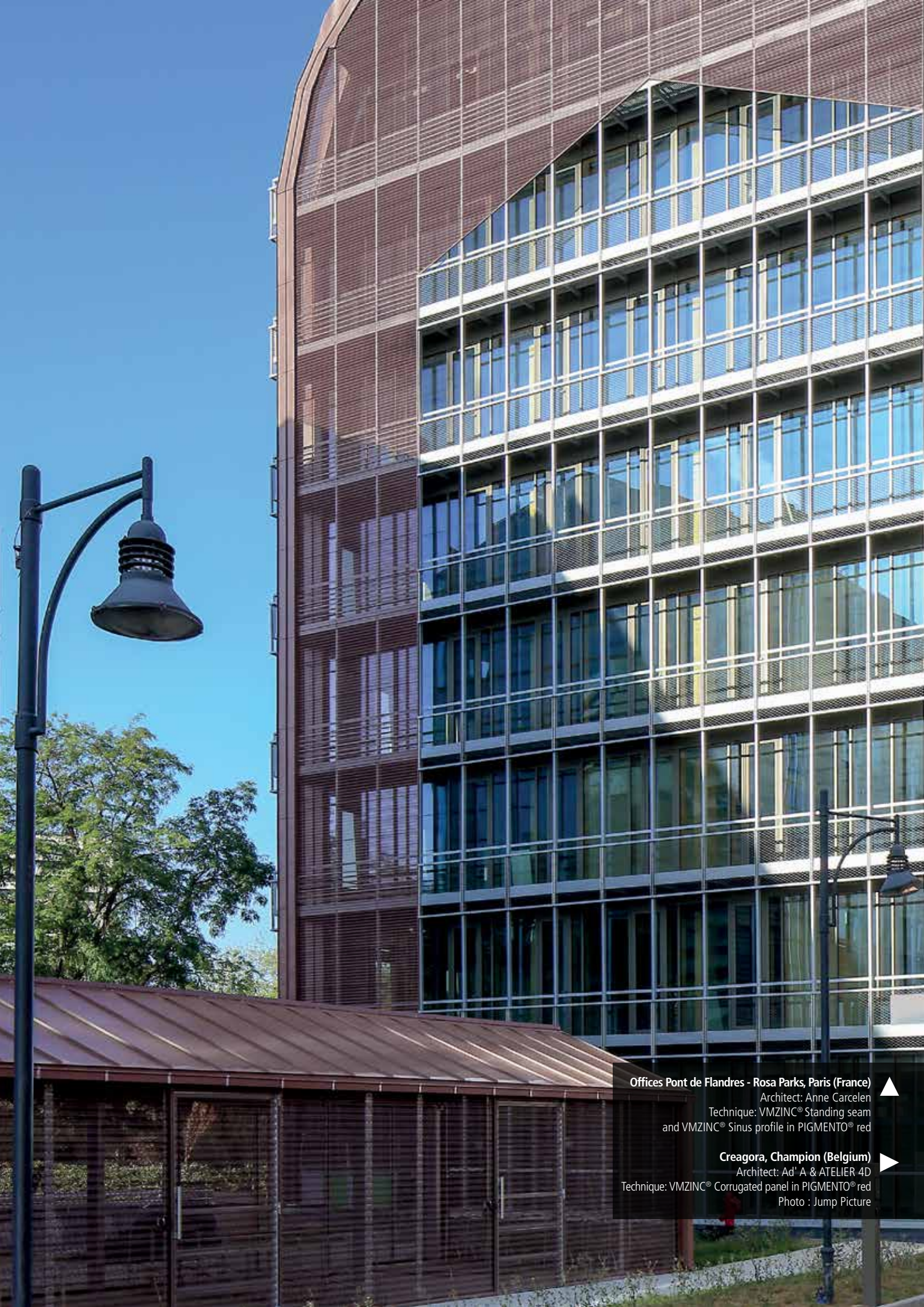
#### 4 Individual Residence 6, Gurgram (India)

Architect: Studio Mathema

Technique: VMZINC® Interlocking panel  
in AZENGAR®

Photo: Architecture Photography





**Offices Pont de Flandres - Rosa Parks, Paris (France)** ▲

Architect: Anne Carcelen

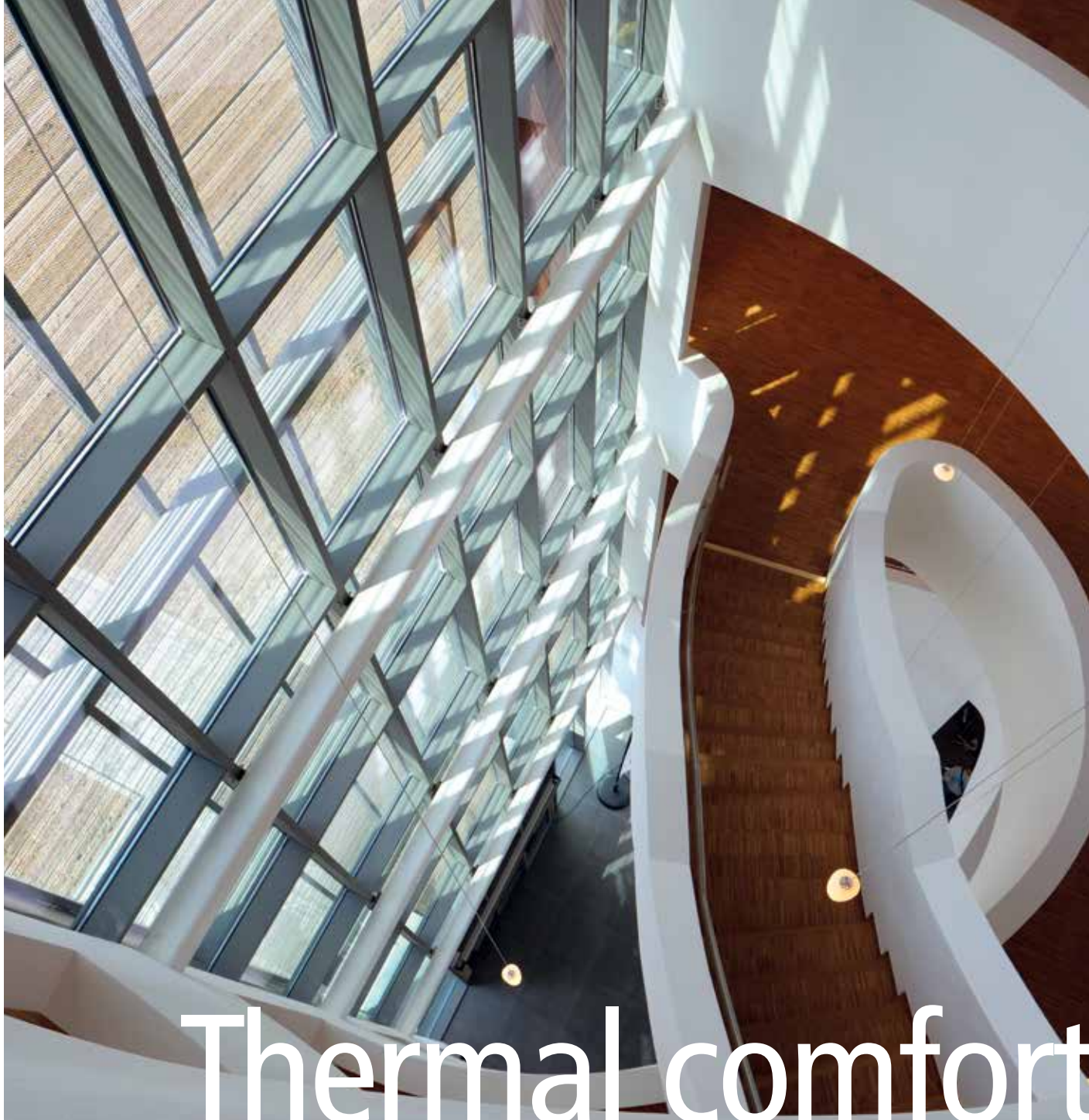
Technique: VMZINC® Standing seam  
and VMZINC® Sinus profile in PIGMENTO® red

**Creagora, Champion (Belgium)** ►

Architect: Ad' A & ATELIER 4D

Technique: VMZINC® Corrugated panel in PIGMENTO® red  
Photo : Jump Picture





# Thermal comfort

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 sun-screens filter the heat while retaining natural light inside the building. This curtain-filter also protects occupants from exterior view.

## Thermal confort

Perforated zinc provides solar protection and contributes to the energy efficiency of buildings, especially on exposed facades.







1

2  
3

**1 Collective housing, Tain-l'Hermitage (France)**  
Architect: Dominique Bouvarel and Raymond Campos  
Technique: VMZINC® Corrugated panel in QUARTZ-ZINC®

**2 Individual house, Mezos (France)**  
Architect: Latour Salier  
Technique: VMZINC® Standing seam  
and Perforated sheet in PIGMENTO® brown

**3 Sant Gregori high school, Barcelona (Spain)**  
Architect: Coll-Lecrerc Arquitectos  
Technique: VMZINC® Interlocking panel  
in ANTHRA-ZINC®

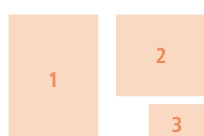


## Thermal comfort

It contributes to interior well-being and allows natural light to flood into living spaces while ensuring the privacy of occupants.

comfort





### 1 Tourist Office, Torreilles (France)

Architect: Bernard Cabanne et Michel Génis architectes  
Technique: VMZINC® Sinus profile in AZENGAR®

### 2 Collective housing (Grand Duchy of Luxemburg)

Architect: Steinmetzdemeyer  
Technique: VMZINC® Corrugated panels  
in PIGMENTO® brown  
Photo : Jump Picture

### 3 Monash University, Clayton (Australia)

Architect: John Wardle Architects  
Technique: VMZINC® Corrugated panel and  
VMZINC® Flatlock panel in QUARTZ-ZINC®  
Photo: Peter Bennetts Photography







**Offices ZN, Rennes (France)** ▲

Architect: Meignan Jean-Pierre

Technique: VMZINC® Sinus profile in ANTHRA-ZINC®

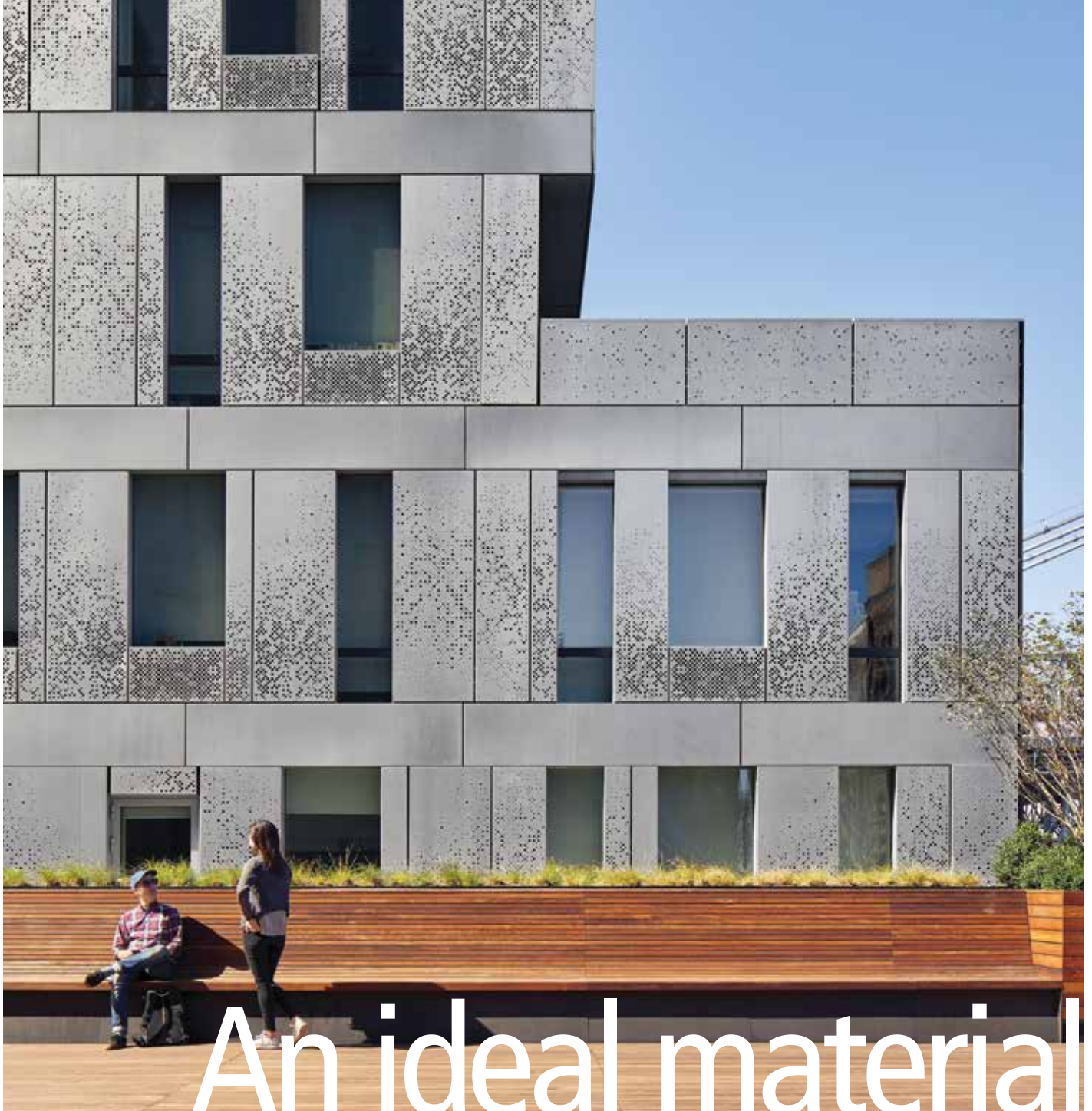
**S25 Kent, Brooklyn, New York (USA)** ►

Architect: SHoP Architects

Technique: VMZINC® Cassette in natural zinc

Photo: Ty Cole





# 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.

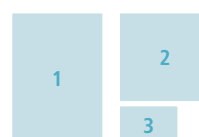


## An ideal material

Zinc's patina forms over a period of 6 to 24 months, according to climate, exposure of the site and harshness of the atmosphere.

protection





### 1 Multipurpose hall, Castelnau-Pegayrols (France)

Architect: Christophe Cartayrade

Technique: VMZINC® Interlocking panel  
and VMZINC® Standing seam  
in PIGMENTO® red

### 2 Offices, Dinan (France)

Architect: Ateliers cub 3

Technique: MOZAIK® in QUARTZ-ZINC®

### 3 Offices Pont de Flandres - Rosa Parks, Paris (France)

Architect: Anne Carcelen

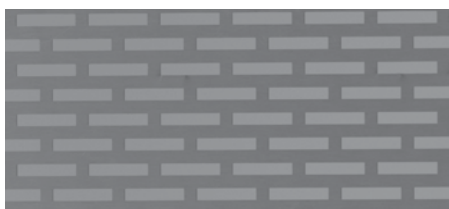
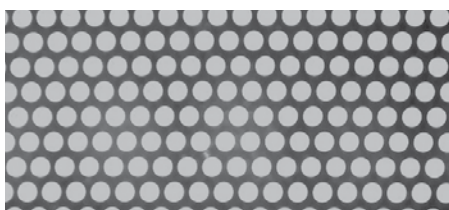
Technique: VMZINC® Standing seam  
and VMZINC® Sinus profile  
in PIGMENTO® red



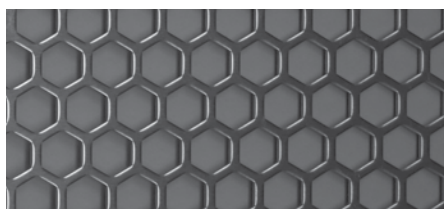
# The VMZINC® offer

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

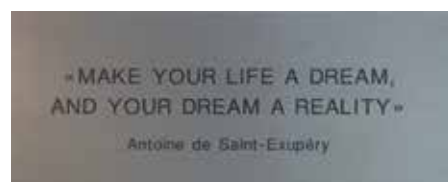
Examples of standard perforations



Examples of made-to-order perforations



Examples of perforations using a pixelated image



*make it yours*

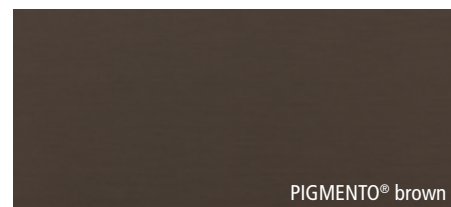
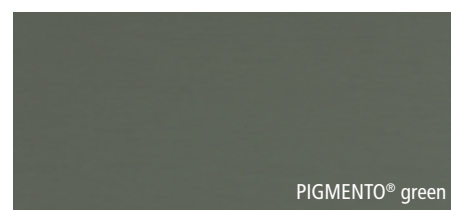
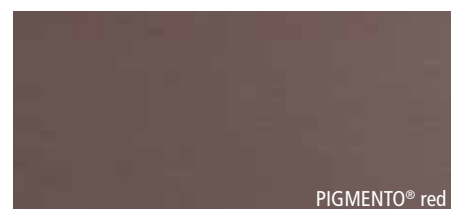
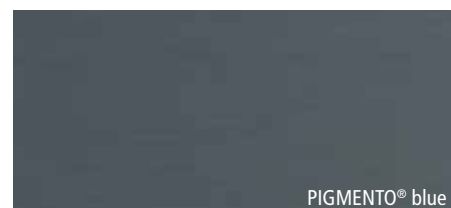
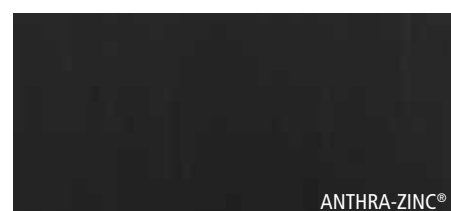
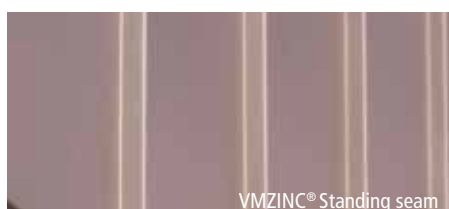
For the made-to-order perforations, please ask our commercial teams.



## 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.

**VM Building Solutions**

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