



**idréva**  
THE ANTI-CORROSION SOLUTION

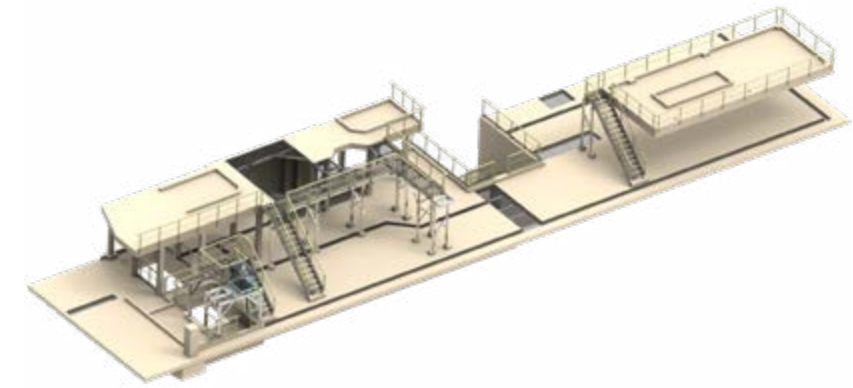
**Catalogue Produit**



## Summary

- P4** : What is composite ?
- P5** : Applications
- P6** : Stairs
- P7** : Floors
- P8** : Access Hatches
- P9** : Ladders
- P10** : Structures & Walkways
- P11** : Guard-rails

# Our expertise



### An issue ?

We will exchange ideas to make sure we understand your needs and find the best solutions.



20 YEARS

**A design office specialized in composite engineering.**

- **20 years of experience**
- The latest 3D design and CAD software
- Optimized manufacturing to guarantee premium results.



### An integrated production workshop

- A completely controlled manufacturing process
- **Compositeworking, Machining, Moulding**
- 1,400 m<sup>2</sup> dedicated to production tools
- A team of professionals dedicated to your project



**A quality process:** Each product is assembled and carefully controlled by our teams before packaging and shipping.



### Delivery and installation on time.

Our teams **pack** and **ship** your composite products and **install** your equipment under the **best possible conditions.**



**One single contact person** to assist you from the **beginning to the completion of your project.**

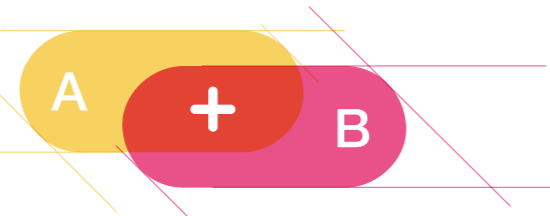
# APPLICATIONS

## COMPOSITE

*is the solution to all your corrosion issues*

## A COMPOSITE MATERIAL

*is a combination of two different types of materials*  
**A** (the matrix) and **B** (the binder).

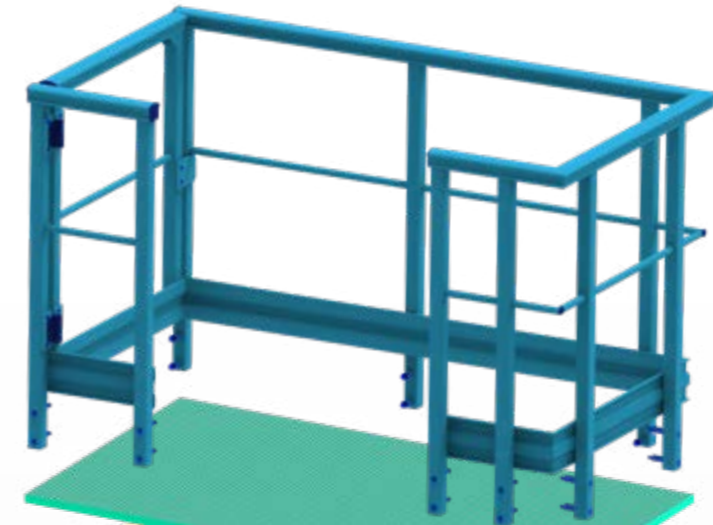


*It results in a new material which is more efficient than **A+B** separately.*

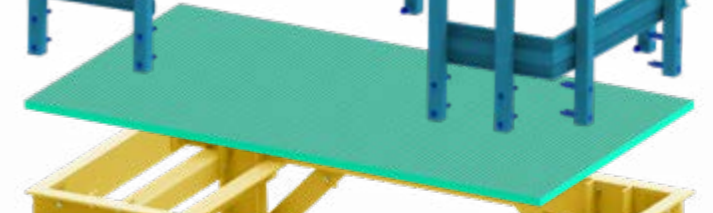
## ADVANTAGES +

- No corrosion
- No maintenance
- Enhanced mechanical resistance
- Higher chemical resistance
- Electrical insulator
- Transparent to electromagnetic waves

GUARD-RAILS  
**P11**



FLOORS  
**P7**



STAIRS  
**P6**



STRUCTURES & WALKWAYS  
**P10**



ACCESS HATCHES  
**P8**



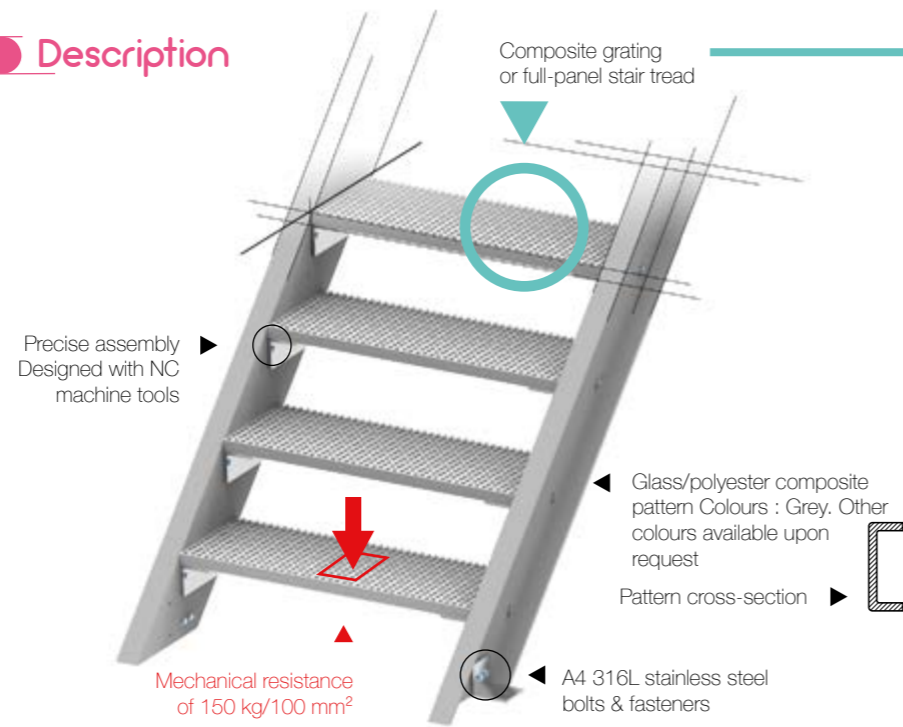
LADDERS  
**P9**



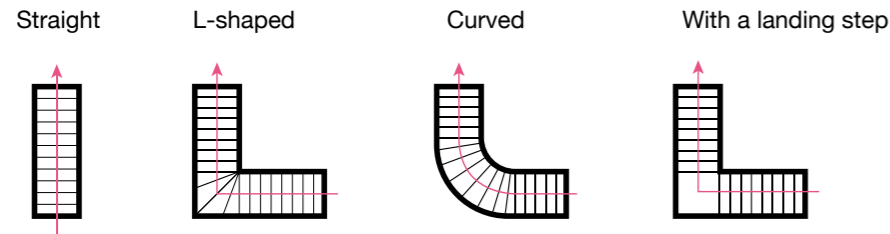
What is  
composite ?

# COMPOSITE STAIRS

## Description



## Customized design



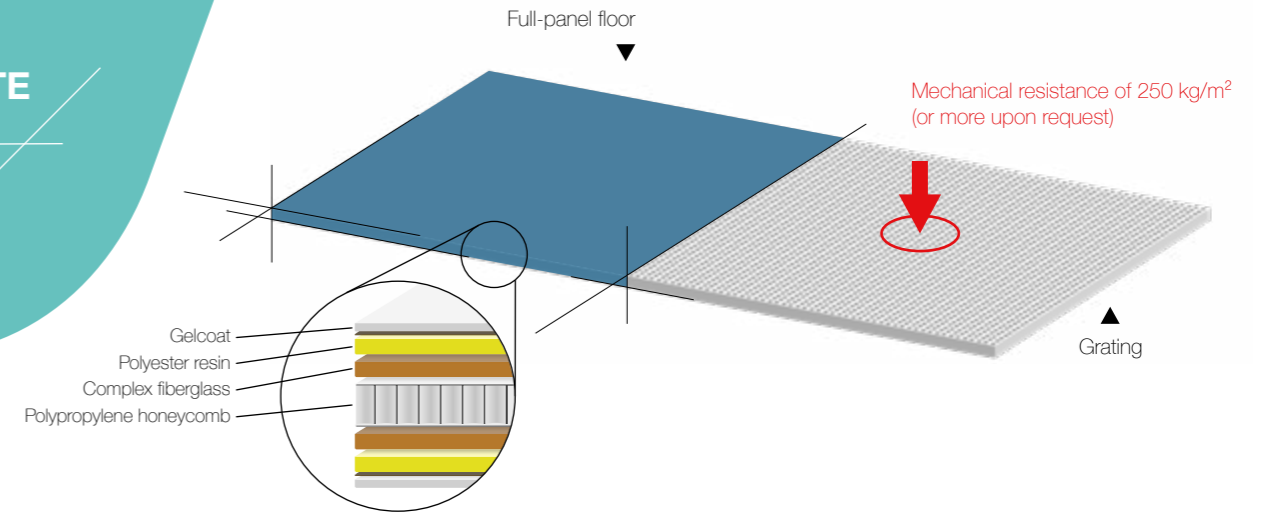
## Technical advantages & characteristics

COMPATIBLE WITH : OUR GUARD-RAILS **P11** STRUCTURES & WALKWAYS **P10** FLOORS **P7**

- No maintenance
- Easily adapted to all types of configurations
- Compliant with EN ISO 14122-3 / NFE 85-014 standards



# COMPOSITE FLOORS



## Reinforced full-panel floor

- ISOPHTHALIC RESIN  
**Applications :** Industry / Water treatment  
**Colours :** Grey / Yellow / Red / Black  
*(other colours available upon request)*
- VINYLESTER RESIN  
**Applications :** Chemicals industry  
**Colours :** Grey / Yellow / Red / Black  
*(other colours available upon request)*

## Dimensions

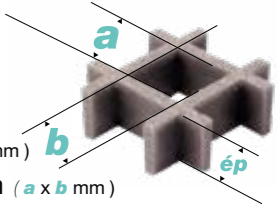
- Thickness : between 5 mm and 100 mm
- Maximum pannel size : 3000 x 1500 mm
- Customized design

## Composite grating

- ISOPHTHALIC RESIN  
**Applications :** Industry / Water treatment  
**Colour :** Grey *(other colours available upon request)*
- VINYLESTER RESIN  
**Applications :** Chemicals Industry  
**Colour :** Red *(other colours available upon request)*

## Dimensions

- Mesh size : 32 x 32 mm (*a x b* mm)
- Safety mesh size : 13 x 13 mm (*a x b* mm)
- Thickness : 30 mm ou 38 mm
- Maximum pannel size : 3000 x 1000 mm
- Customized design



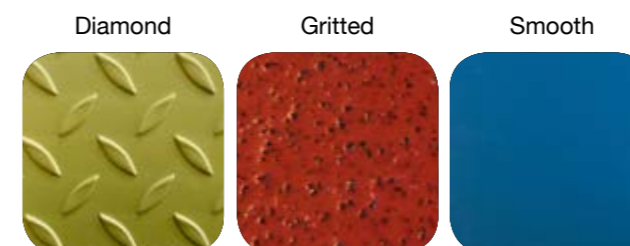
## Advantages

- ANTI-SKID
- CHEMICAL RESISTANCE
- DURABLE
- MECHANICAL RESISTANCE
- EASY TO INSTALL

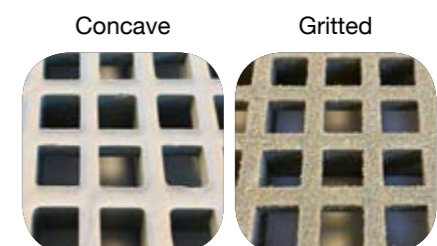
## Examples



## Finishes



## Finishes





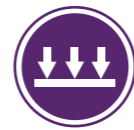
## COMPOSITE ACCESS HATCHES

### Description



### Customized design

Protruding or embedded hatches are designed taking into account your environment.



Mechanical resistance of **250kg/m<sup>2</sup>**  
Tested at an energy level of 1200 joules



### Technical advantages & characteristics

RELIABLE

STURDY

LIGHTWEIGHT

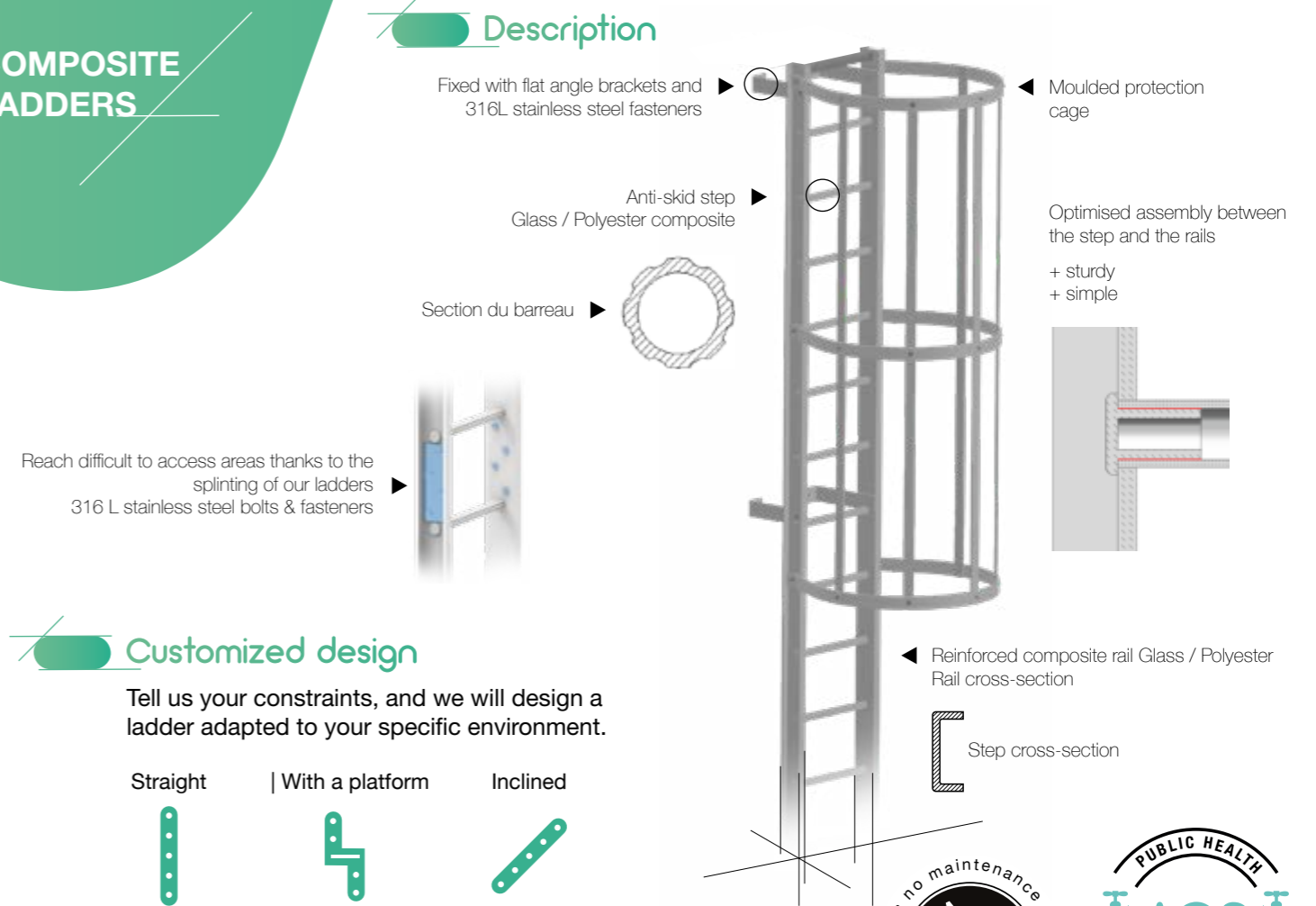
DURABLE

- No maintenance
- Easy to install
- Easy to use

- INRS-compliant design
- Available in solid grey. Other colours available upon request.

## COMPOSITE LADDERS

### Description



### Customized design

Tell us your constraints, and we will design a ladder adapted to your specific environment.

Straight

| With a platform

Inclined



### Technical characteristics

EASY TO HANDLE

STURDY

LIGHTWEIGHT

DURABLE

- ACS (Public Health) Compliance Certificate
- No maintenance
- Compliant with NFE 85-016 / EN ISO 14122-4 standards

- Electrical insulator
- Available in solid white, grey, red, or yellow  
Other colours available upon request

### Accessories

- Stainless steel compass lock
- Epoxy or stainless steel gas actuator
- Ventilation
- Stainless steel or plastic handle



### Accessories

- Wide exit
- Landing step
- Handrails
- Anti-access kit
- Rigidification kit
- Simple grip
- Brake pad
- Adjustable bracket
- Resting platform



# COMPOSITE STRUCTURES & WALKWAYS

## Description



► Composite structural cross-section  
Materials : Glass / Polyester

U PATTERN CROSS-SECTION ►



I PATTERN CROSS-SECTION ►



L PATTERN CROSS-SECTION ►



## Computer-aided customized design and sizing

• Our design office uses the latest CAD software to ensure the best quality products.

• Each study is customized. We can provide plans, calculation notes and 3D previews upon request.



## Technical advantages & characteristics

HIGH CHEMICAL RESISTANCE

PRECISE MACHINING AND ASSEMBLY

DURABLE

COMPATIBLE WITH :

OUR GUARD-RAILS **P11**

OUR FLOORS **P7**

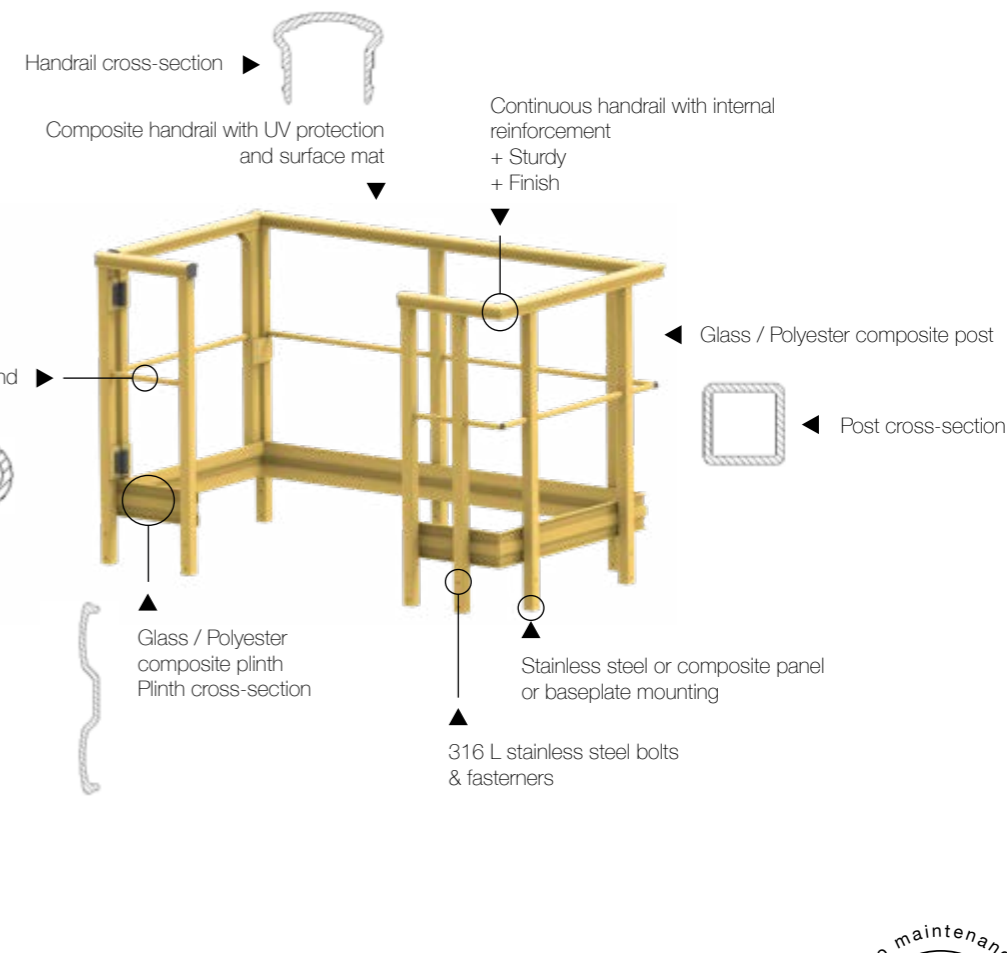
OUR STAIRS **P6**

- No maintenance
- Lower density than stainless steel
- Compliant with NFE 85-014 / EN ISO 14122-2 standards
- Mechanical resistance of 250 kg/m<sup>2</sup> (or more upon request)

- Chemical resistance upon request
- Colours : Grey, other colours available upon request.

# COMPOSITE GUARD-RAILS

## Description



• PUBLIC OR INDUSTRIAL STANDARDS

Glass / Polyester composite riband

Riband cross-section

Compatible with a gate

Glass / Polyester composite plinth  
Plinth cross-section

316 L stainless steel bolts & fasteners

Glass / Polyester composite post

Post cross-section

Stainless steel or composite panel or baseplate mounting

## Technical characteristics

CUSTOMIZED DESIGN

OPTIMIZED PRODUCT

ADAPTED TO ALL SUPPORTS

COMPATIBLE WITH :

OUR STRUCTURES & WALKWAYS **P10**

OUR STAIRS **P6**

- No corrosion
- Electrical insulator
- Compliant with NFE 85-015 / EN ISO 14122-3 standards

- Chemical resistance upon request
- Colours : Grey, yellow. Other colours available upon request.
- Easy to install

## Examples



## Examples







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