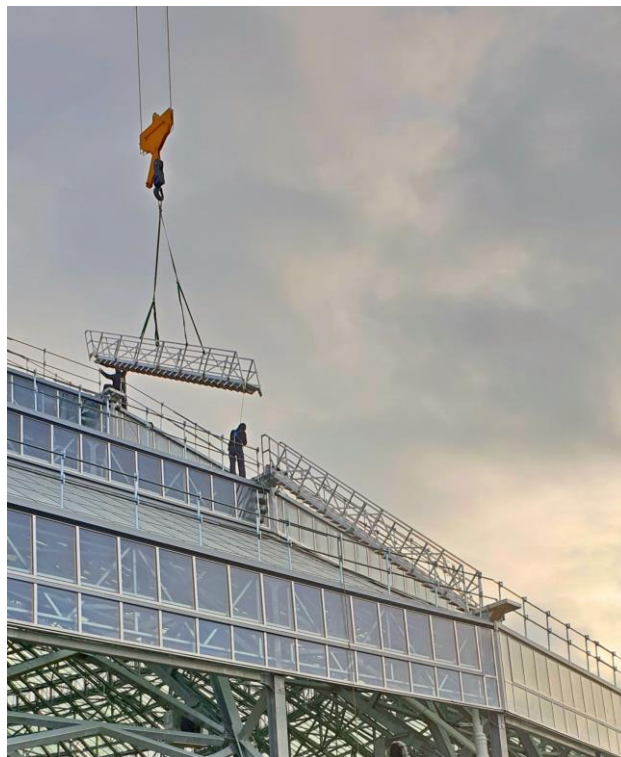


# Set of staircases and safety cage ladders on dome



Turnkey delivery of three aluminum staircases for access on the Beauval zoo dome, accessible through safety cage ladders. Twelve ladders for descending into the gutters complete the achievement.

Each staircase is composed of:

- five staircase modules,
- a staircase module with small inclination angle,
- six intermediary landing platforms with two security gates each,
- a landing platform with safety gate.



## Intermediary landing platforms and safety gates

- Fixed platforms, length 600 mm, anti-slip ribbed coating
- Aluminum safety gates



DIVISION INDUSTRIE  Made in France

Head office & plants : ZI du Muckental – F – 67140 BARR  
Phone +33 (0)3 88 58 53 53 – Fax +33 (0)3 88 58 53 54  
[www.fortal.fr](http://www.fortal.fr) – [info@ortal.fr](mailto:info@ortal.fr)



# Set of staircases and safety cage ladders on dome



## Staircases

- For all modules: useful width 600 mm
- Module 1 : length 8 330 mm – height to serve 12 220 - inclinaison angle 44°
- Module 2 : length 8 295 mm – height to serve 17 620 - inclinaison angle 41°
- Module 3 : length 8 200 mm – height to serve 22 360 - inclinaison angle 35°
- Module 4 : length 7 995 mm – height to serve 26 400 - inclinaison angle 30°
- Module 5 : length 7 860 mm – height to serve 29 770 - inclinaison angle 25°
- Module 6 : length 7 870 mm – height to serve 31 400 - inclinaison angle 12°

Steps: anti-slip ribbed coating

Staircases modules are equipped with adjustable jacks allowing height variation of +/- 50 mm (for installation) and ramps on the left and right side of staircase (composed of handrail, intermediary rail, baseboard).



 **FORTAL**<sup>®</sup>  
[www.fortal.fr](http://www.fortal.fr)  
DIVISION INDUSTRIE  Made in France

# Set of staircases and safety cage ladders on dome



## Ladders for descending into gutters

Installation of twelve aluminum ladders for descending into the gutters, width 400 mm.

## Safety cage ladders

- Aluminum safety cage ladder, section 65 x 25 mm
- Height to serve: 6445 mm
- Anti-slip square rungs 25 x 25 mm
- Wide exit – Safety gate on ladder top
- Lower security door

