

# BIG SIZE FOLDING DOORS FOR HANGARS

LOGISTIC  
SOLUTIONS



## MAIN ADVANTAGES:

Big size folding doors offer irreplaceable advantages:

- *Unlimited width and height – there is no size limitation.*
- Tailored sizes and turnkey technical solutions.
- A personalized colour chart, which can be combined in the same door.
- Big size folding doors are a reliable choice for extremely cold artic areas as far as scorching hot climate ones.
- Between one panel and the other there are special anti-crush gaskets, which cover a width of 50mm according to regulations in force. In addition to these basic features, they guarantee the best acoustic insulation and a perfect seal, thanks to special EPDM gaskets and nylon brushes on the closing profile.
- New windows, aeronautical style, a Kopron exclusive patent.



## KOPRON FOLDING DOORS: THE BEST SOLUTION IN THE AIRPORT YARDS

Kopron big size folding doors fully meet Customer's expectations.

They are able to shut hangars that contain **from narrow-body aircrafts to an Airbus A380.**

Folding hangar doors are specially designed to reach this goal by meeting the most challenging industrial applications and keeping a strong architectural appeal.

Kopron has always been able to create made-to-measure products. In this case, hangar doors can reach any size required.

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## MAIN FABRIC FEATURES

Multi-panel folding door with single or double wing opening which slides along rails fixed above; the technical specification details weights and sizes. Panels are 52mm thick, hinges are of big size in aluminium printed with KOPRON logo, painted and provided with drawn steel 20 mm diameter pins, thrust pins, ball bearings, guide carriages, upper divider rollers with ball bearings and sealing brushes around the frame (which can be replaced once they are worn out).

**1. Panels:** They consist of a frame in exclusive cold profiled and electrowelded steel profile. Double coating with galvanized metal sheet, pre-painted in several colours, filled with XPS polyster. Between one panel and the other there are special anti-crush gaskets, which cover a width of 50mm according to regulations in force. Customer must remove the protection adhesive film once the assembly has been carried out, within one month from delivery. (Should material remain in deposit for some time before being assembled a non-transparent cloth must cover it).

**2. Overhead guide:** It consists of a large steel profile painted blue (RAL 5010), provided with space/s for gathering the folded panels plus an additional guide for dividers, and is fixed to the wall or ceiling with clamps.

**3. Ground guide:** Galvanized, omega shaped guide fixed to the ground.

**4. Sliding trolley:** Sliding trolley provided with ball bearings with adjustable fixing pins (in case it is motorized, the first carriage is connected to the dragging chain); pins with sliding bearings inside the ground guide.

**5. Shutting system:** It consists of a lever bolt with a moulded lock in the lower part (as an option a cylinder lever Yale type with external handle can be requested).

**6. Vision panels:** These can be either rectangular with rounded edges or round with EPDM rubber gaskets and VISARM stratified glass 4 + 4.

**PEDESTRIAN DOORS** (with ground rail) are inserted in the panels. The frames and piers are in anodized aluminium provided with tightening gaskets, hinges and couple of handle reduced style in natural anodized aluminium, and Yale locks.

**ADVANCED AUTOMATISMS:** Generally these big size folding doors are operated electrically and they need to have a ground track and an overhead guide. Kopron offers the most advanced automatisms such as: audible opening/closing warning devices, double or single motor systems (in order to have partial openings or not), integrated control panels, photocells, a motor reducer self-braking and anti-crushing safety device according to regulations, but also a mechanical unlocking device to use in case of power failure.

## PERSONALIZATION:

Several possibilities of personalisation are available to satisfy every possible requirement: from the addition of windows, ventilation grids and special windows, to the possibility of choosing Kopron special and personalised hinges, right through to the insertion of pedestrian doors with entrance/exit or to simplify frequent passages, avoiding the entire door to be opened unless strictly necessary.



## CERTIFICATIONS:

Through certifications Kopron offers a further guarantee on efficiency and quality of their products.

All Kopron products are in compliance with EU regulations.

Quality Management System  
UNI EN ISO 9001 Certified  
Factory Production Control  
UNI EN 1090-1 Certified  
Welding of Metallic Materials  
UNI EN ISO 3834-2 Certified  
Steel Processing Center N° 2533/13  
Applicable Standard: UNI EN 13241-1





TOP CUSTOMERS:

