

SHIPYARD DOOR®



PVC FABRIC DOOR SYSTEMS

**SO FLEXIBLE
RIGID
THE HYBRID**

THE HYBRID® RIGID HIGH SPEED ROLL UP DOORS



Hybrid roll up doors are designed to meet expectation of clients for isolations, high traffic area with secure solutions . The Hybrid door system last chain link of the door evaluations, The Hybrid Door supply high speed solutions with security , Similar doors available with incredible price, The Hybrid door not save your Industrial building also save your pocket

7/24 Operations

Strong and flexible design of Hybrid® high speed door can be operated 24 x 7 specially chosen high resistance fabric and filled steel materials, gear-box and drum system are designed for continuous operation even extremely high traffic area.

Fast and Secure

The Hybrid high speed roll up doors supply fast operations and security together, it is main difference then any other high speed fabric door system, Composite design of the doors that made from pvc fabric with rigid aluminium or steel slat supply extra safety and security for special applications

Excellent Sealing

Special designed curtain is filled with steel and aluminium strip that also included high density Polyurethane. Hybrid doors can be utilized even isolations required area . Side guide has isolation rubber and guide is designed to reduce lost of the heat, System has soft edge system specially made from pot to increase isolation.

Maximum Dimensions

Hybrid high speed roll up doors can be manufactured up to 5500mm W X 5000mm H for internal or external applications. For High wind resistance isolated fold up Door are available.

Keep Thieves Away

Hybrid door is supply your all requirements from a high speed door system also burglar proof so it is best way to regulate fluid traffic with high security

Applications

The Hybrid doors can be used any type industries that is required regulations of fluid traffic, That door system supply to client benefits of high speed doors and security of any type rigid doors. Especially it can be used as an elevator doors that is specially need big dimensions high traffic flexibility and security.

Save Money and Time

Hybrid high speed roll up doors reduce energy consumptions this system is also weather proof

Low Maintenance

Hybrid doors doesn't require any special maintenance. There is no any lateral driving strap, balance weight, spring and similar headache for clients, Our all system has user friendly properties to save your time and money,

TECHNICAL PROPERTIES

Structure

Structure is made from high straight extruded Aluminum (Alloy 6063-T6) fixed with bolt & only top cover is made by galvanised steel sheets. All side guides and bottom frames are manufactured to avoid welding, gap and rust. Stainless Steel AISI (304/306) or normal steel structure can be manufactured for special area.



Security Material

The Hybrid door system is combination of the fabric and rigid aluminium materials. Aluminium or steel lamellas is chosen according to wind resistance and clients requirements, All lamellas is filled with high density polyurethane foam. Aluminium lamellas is 18.5 mm nominal thickness with height is 77 mm. Steel lamellas can be changed according to clients requirements



Safety

All the doors are manufactured according to CE Standard- Industrial, commercial Product standard - Applicable Directives 89/106/EC-99/93/E Applicable Standards: - EN 13241-1:2003+A1:2011-EN 12978:2008.

Fire Resistance

Fire resistance of the fabric is suitable for any fire safety regulations. Relative Standard is DIN 4102-B1. These materials are tough to ignite. They include materials such as wood treated with a fire retardant and rigid foam plastics. A fire must extinguish itself when the source of the fire is removed. Isolation materials polyurethane has weakness against to fire “ignition barrier” in accordance with section R314.

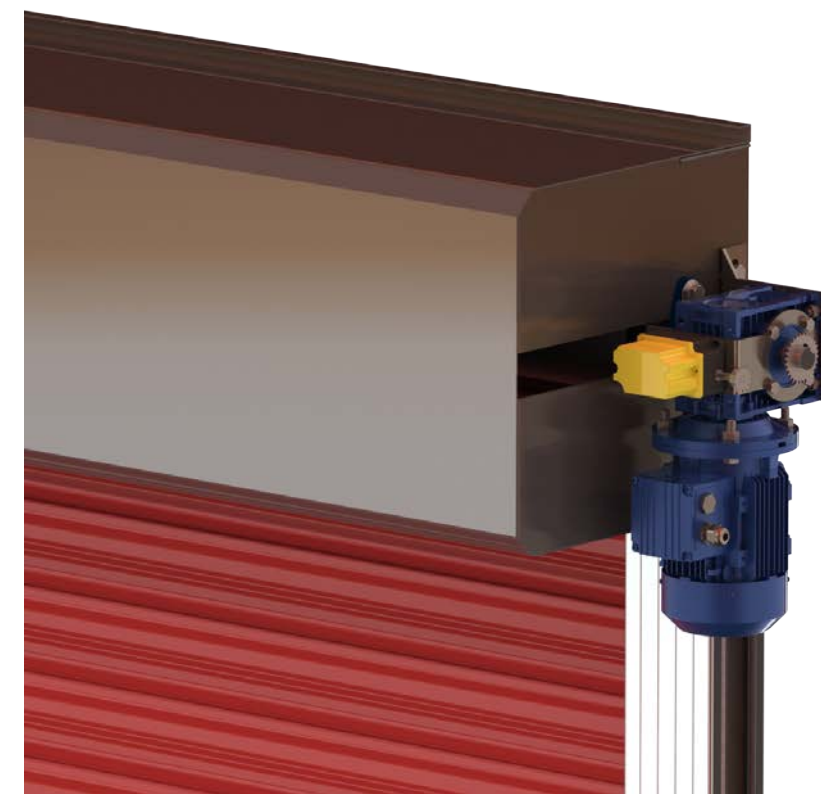
Equipment

Safety photo cell beam, thermic resistance, soft bottom edge, emergency button warning light and buzzer is supplied Standard equipment Optionally Aluminium bottom parts Bottom safety edge and pneumatic safety edge is available.



Motor and Gearbox

Motor power from 1HP upto 4HP, Operations voltage 380-440 V 3phase 50-60 Hz depending upon dimensions of the doors. 3 Phase operation voltage is required for continuous industrial operations. Gearbox is chosen for special high torque worm hole design gearbox. All materials are manufactured according to CE norm.



Speed

Cold Saver High Speed Doors can be operated at a standard 1.2 mt /sec (EN 12453) and speed range can be designed upto 150 cm/sec.

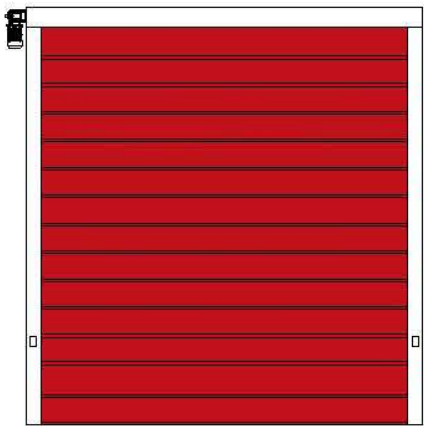


Fabric

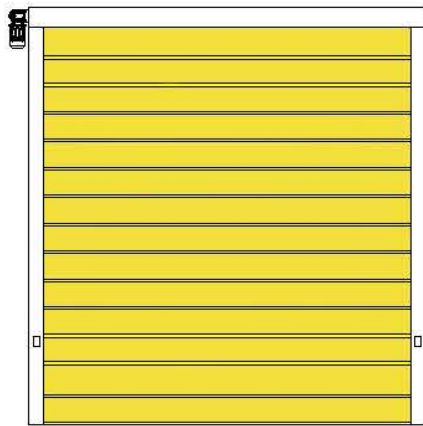
Specially choose fabric is suitable for long life. It have very high resistance against to UV damage, Trade name VALMEX POLYMAR[®] manufactured by Mahler Textile GMBH .industrial Fire resist 900 gr/m2 1-2 mm 1100 Dtx B 6000 Panama SIO – LINE + DIN EN ISO 2286 – 2 –CE
Tensile Straight 4300/4000 N/50 mm DIN 53354.
Tear Strength 500/500 N DIN 53363

Color

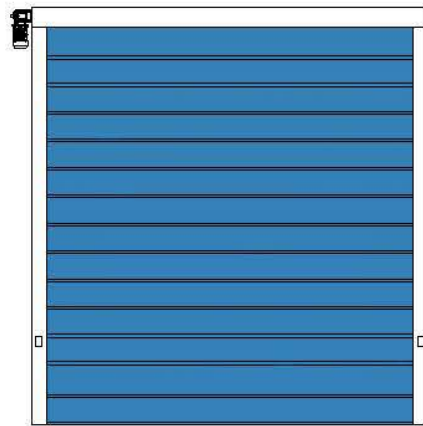
Wide range fabric colour is available, All main colour at our stock (RAL 9002-9006-1001 -3001 – 5007-6001-7071) (some colour is out of stock can be extend delivering time)



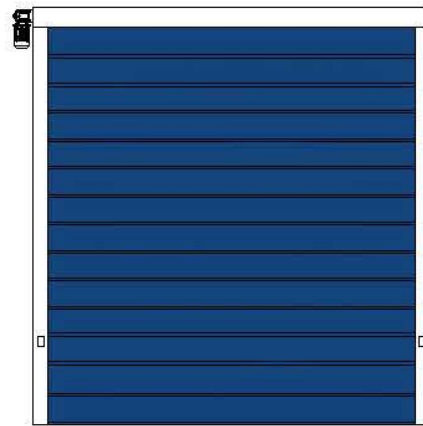
Red - Ral 3020



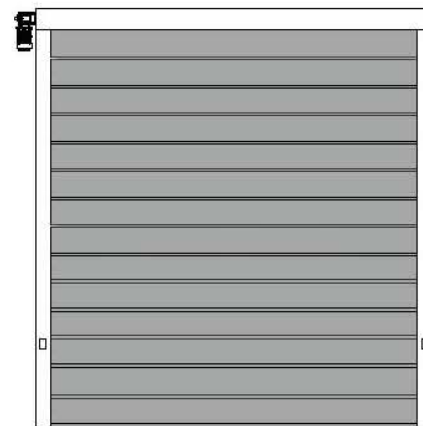
Yellow - Ral 1018



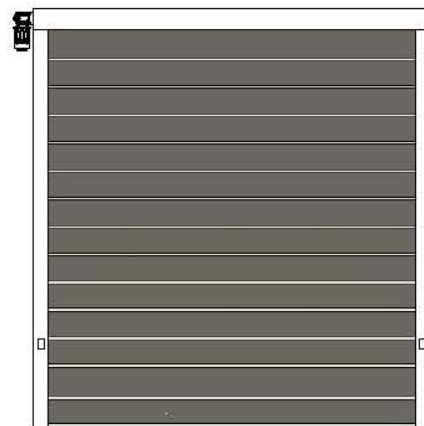
Light blue - Ral 5012



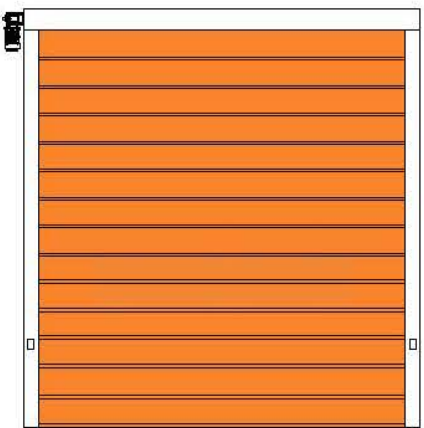
Blue - Ral 5010



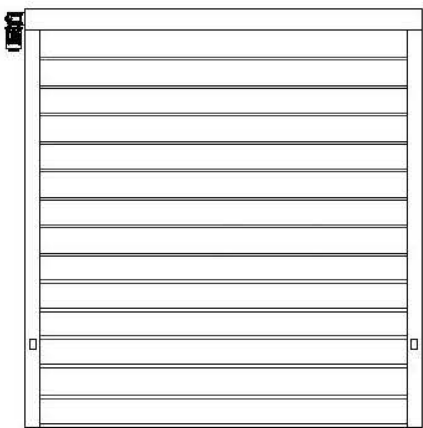
Metalic grey - Ral 9006



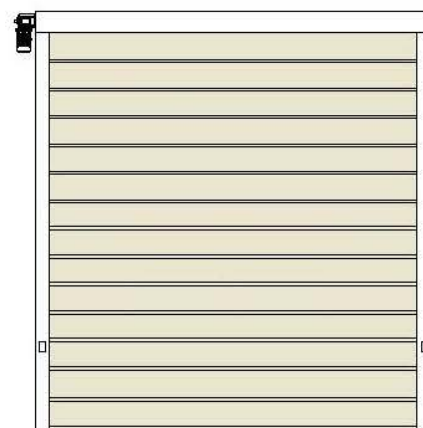
Grey - Ral 7039



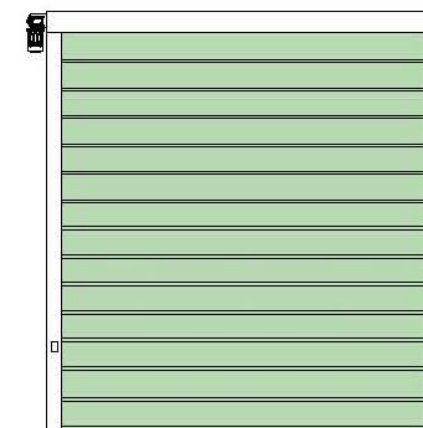
Orange - Ral 2003



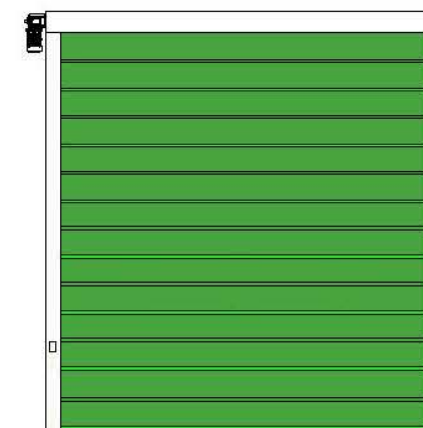
White - Ral 9010



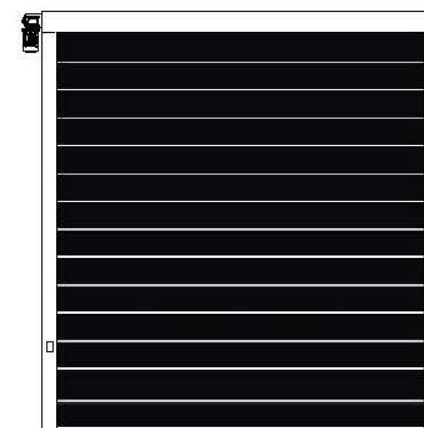
Beige - Ral 1013



Light green - Ral 6019



Green - Ral 6018



Black - Ral 9005

*Some color is out of stock can be extend delivering time.



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Control board

Control board is designed according to CE 2006/95 EC and NEMA ICS 2 Standard to operate 3 phase motor with rotate switch. Audible and visual warning devices automatically signal for 5 seconds before any door section movement, remain continuously on while the door is in motion and reset immediately after movement stops. IP 65 Box Emergency button Circuit Breakers Warning light Buzzer, Plug in technology served with universal spare parts.

Optionally

Frequency converters control board with touch less button-Mono phase operators control board is available.



Operations

The Hybrid high speed roll up fabric door is guided up and down in the weather sealing vertical guides attached to structure. Door is controlled by three buttons marked “Open,” “Close,” and “Stop.” It is controlled by momentary pressure to open and constant pressure to close. (Reverse is available) it can be operated with Radar, Remote controller, Metallic Loop Detectors, Pull rope switch as an options.

Loop detectors;

Together with the inductive loops laid beneath the surface, the LC series loop detectors form a universal sensor system for detecting vehicles and forklift. People are not detected.

Infrared Radar;

Opening impulse sensor for automatic doors and industrial doors i Motion sensor for people and objects.

Remote Controller;

Is a component of an electronic device to operate the device with radio frequency from a long distance (25 mt up to 100 mt)

Manual Operations;

In Emergency situations or power is of Doors can be operated manually a few ways.

OTOPARK

Max : 2 m

↑↑Ks

SO
FAST
NICE
DOGGED

PVC FABRIC DOOR SYSTEMS

www.shipyarddoor.com

info@shipyarddoor.com



Discover
the potential

SHIPYARDDOOR[®]
SPEED FLEX[®] HIGH SPEED FOLD UP DOORS