

# SANAT PERSIAN MABNA



PVC FABRIC DOOR SYSTEMS

**SO**  
**ROBUST**  
**FAST**  
**SIMPLE**

**SPEED FLEX® HIGH SPEED FOLD UP DOORS**



Speed flex fold up doors designed to meet expectation of clients for isolation and flexibility. The fold up Door is best solution to control environmental conditions , increase productivity and safety at your facilities.

High speed fold up door can be utilized in manufacturing warehouse that have high MHE & Human traffic. It is best compatible and cost effective solution for isolation and long durability.

Sanat Persian mabna speed flex will help you control environment condition

### **Tailor – made solutions**

Standard speed flex high speed fold –up door meet clients standard requirement at even extreme conditions. On the other hand shipyard door speed flex has a manufacturing flexibility. Our innovative R&D could design and manufacture the high speed doors according to clients special requirements like special wind load special fire resistance , High isolations, desired speed , security etc... this is a flexible tailor – made solution for different type door requirements

### **7/24 operations**

Strong and flexible design of speed flex fold-up Door provide all the benefits of high speed operation plus extreme life time and durability that can be operated 7/24.

### **Excellent sealing**

A special feature that speed flex door have side sealing pocket make us stand unique in the market . This heavy duty PVC coated fabric has outstanding sealing feature , when door is closed even high windy conditions. Bottom sleeve seal supply weather and water resistance . This design also supply noiseless operations you will never heard noise of steel or Aluminum track.

### **Low maintenance**

Speed flex fold up doors is designed in such a way that it doesn't require any special maintenance. All parts are carefully selected for very minimal maintenance. No parts are welded in the structure to reduce wear & tear.

### **Quality**

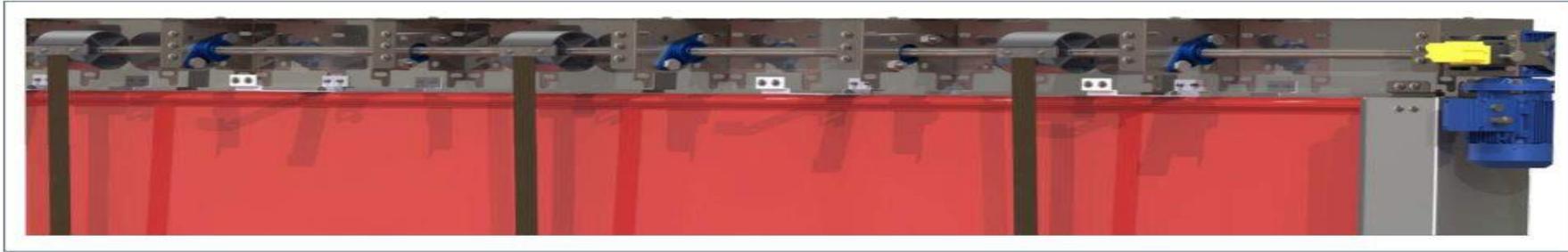
shipyarddoor policy is strict about quality. All high speed-Doors will undergo a 100 % inspection on function and a visual examination before exporting and installing. Raw materials are carefully selected to enhance our quality level. We have worldwide well trained authorized dealers and resellers have ability to provide service , maintenance and after sale requirements.

### **Environmentally Friendly Products**

Shipyarddoor high speed door is designed with Environmental concern , using speed flex high speed Door reduce your energy consumptions , operational expenses, purchase cost and help to save environment . We carefully choose energy efficient motor and many metal parts from recycled materials as a responsible company that care our world.

## Body Structure

All steel parts are manufactured from galvanized steel sheets. Wind bare are made of galvanised pipe to withstand wind loads. Side guide and bottom frame are manufactured as one component. We use only bolting system instead of WELDING to ensure safety and provide cost effective solution. Drums are made of Aluminum and for special requirements stainless steel could be selected as an option.



## Insulation Data

Standard high speed fold up door thermal insulation value is U  
4.5 W/m<sup>2</sup>.K sound attenuation 18 dB A capacity



## Fire Resistance

Fire resistance of the fabric serves any fire safety regulations. Relative standard is DIN 4102 –B1 . These materials are difficult 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.

## Wind Resistance

The high speed foldup doors is designed withstand dead load , seismic forces and design loads due to pressure and suction of wind calculated in accordance to applicable sections of building code. Specially designed Door is suitable for outside applications at standard wind resistance 80km/h and class 3 Annex ZA- (EN 13241:2011).

## Safety

Speed Flex doors are manufactured under CE standard Applicable directives 89/106/EC-99/93/E.

Applicable standards: -EN 13241-1:2003+A1:2011\_EN 12978:2008 and safety photocell,thermic resistance, windows section, emergency button warning light and buzzer comes along with any standard door.

Bottom safety edge and pneumatic safety edge system is available as an optional.

## Maximum Dimensions

High speed fold up door can be manufactured up to 42 sq. mt for outside applications and 100 sq. mt for inside applications.

## Control board

Control board is designed according to CE 2006/95 EC and NEMA ICS 2 Standard to operated 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

### Options

- frequency converters control board with touch less button
- mono phase operators.



## Fabric

pecially selected fabric is suitable for long life . It has a high resistance against UV.VAMEX POLYMAR industrial fire resist 900 gr/m<sup>2</sup> 1-2 mm 1100 Dtx B 6000

panama SIO –LINE +DIN Iso 2286 – 2 –CE

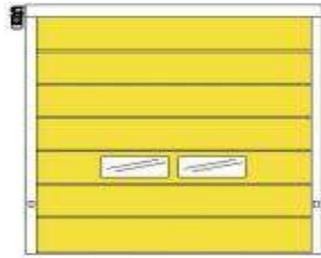
tensile straight 4300/4000/n/50 mm DIN 53354.

tear strength 500/500 N DIN 53363

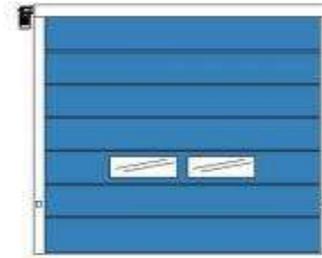
wide range fabric colours are available . Colour like (RAL 9002 -9006-1001-3001-5007-6001-7071) are readily available at our stock.



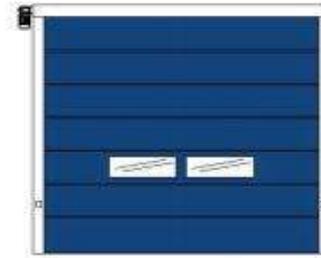
Red - Ral 3020



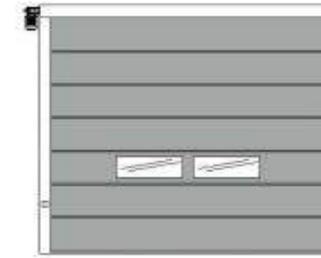
Yellow - Ral 1018



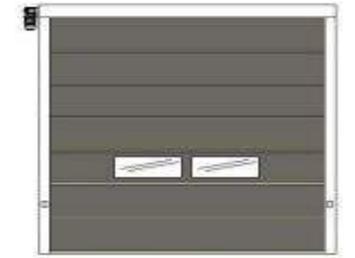
Light blue - Ral 5012



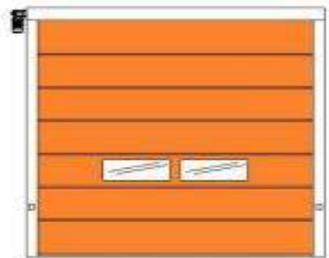
Blue - Ral 5010



Metalic grey - Ral 9006



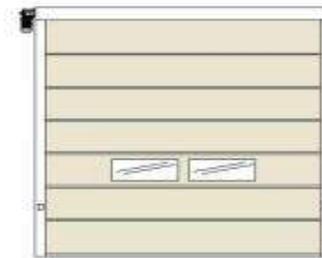
Grey - Ral 7039



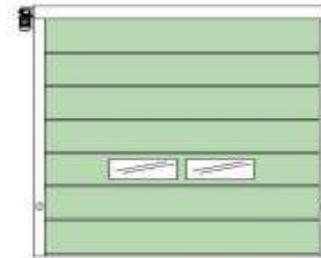
Orange - Ral 2003



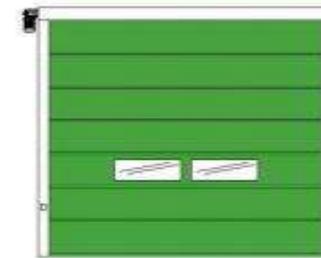
White - Ral 9010



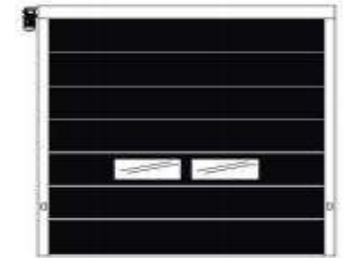
Beige - Ral 1013



Light green - Ral 6019



Green - Ral 6018



Black - Ral 9005



## Speed

Speed flex fold up can be operated at standard 90 cm/sec and could be designed up to 150 cm/sec.

## Motor And Gearbox

Motor power from 1Hp up to 4Hp , operations Voltage 380 - 440 V 3phase 50-60 Hz depends to dimensions of the doors. We prefer to use 3 phase operational voltage for continuous industrial operations. Worm hole Gearbox is chosen for special high torque requirement. All material are manufactured according to CE norm.



## Operations

Speed flex fabric door is guide up and down in the weather sealing vertical guides attached to the structure. Door is controlled by three buttons marked open closed , and Stop . It is controlled by momentary pressure to open and constant pressure to close.( Reverse is available) it can be operated with radar ,remot controller , metallic loop Defectors, 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 devuce to operate the device with radio frequency from a long distance (25 mt up to 100 mt)

## Manual operations

In emergency situations or when in case of power failure , Doors can be operated manually by-

-A hand crank that is attached to the output shaft of motor. (standard Feature)

-connecting the door to a power generator would eliminate the problem in case of a power failure. (optional)



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