

# RAPID ROLL-UP / FOLD-UP DOORS

The leaf of **Hulk** high speed roll-up doors is made of strong Ryan polyester (700 - 1,700 g/m<sup>2</sup>) with transparent inserts, for a clear view through the doors. They have high handling capacity with minimum heat losses. Due to the high operation speed of the doors the required indoor microclimate is well preserved even during high intensity usage. The possibility of regulating the opening/closing speed of the doors in a broad range permits to fine tune their working according to the requirements.

The door leaf design does not have rigid elements, which provides their operational safety. The doors possess a function of "self-restoring" if the door leaf drops out of its tracks, for example, in case of a blow by the loader, the system of automatic "Restore" returns the leaf into its tracks during the next cycle.

The framework and all casings are made of aluminum alloy. The design modularity allows an easy replacement of separate door elements.



## Features:

### User Friendly

Both sides of the doors are fitted with optical protection switches. The door automatically return back if the infra red beam is broken/blocked.

## Controls

Integrated PLC with inverter



**Motors:**  
High speed motor reducers 0.75-2.2 KW according to the size of the door. Manual override in case of power failure.

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## Door Construction

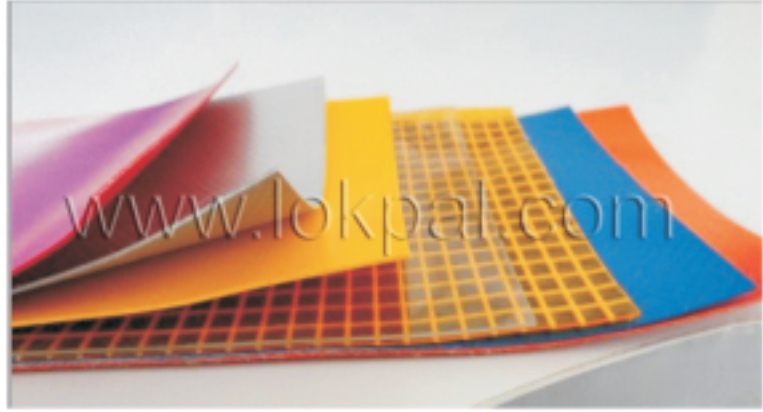
**Frame:** 2mm thick cold rolled steel sheets.

**Cross Bar:** Aluminium Lath

**Curtain:** High density Ryan Polyester fabric  
Thickness 0.8 mm- 1.5 mm

Color Yellow, Blue, white, orange, Red

**Window:** Transparent PVC (Rectangular, round, oval shapes available)



## Command Options

Radar Sensor  
Pulling rope (Hand)  
Remote control  
Magnetic loop  
Push Button



## Safety

**Photo electric Sensor:** These are installed on the side tracks and immediately stop the door in case any obstruction is sensed.

**Safety edge Bottom:** As soon as the bottom edge sensor of a sending door comes in contact with any obstruction the safety edge bottom sensor automatically sends the door back in reverse.



**Emergency Stop:** An emergency stop button is fitted on the control panel to execute an emergency stop whenever required.

## Technical Details

Power Supply:	Single phase:	220v, Three phase:	415v	Power consumption:	max 250w
Opening & closing speed:	0.7-1.7m/s (optionally different opening speeds on request)				
Opening & closing frequency:	1000-1500 cycles/day				
				Wind load:	20 m/s

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