

The PowerShelter 403M is a dock shelter which uses a sturdy curtain made from durable material for the closing of the area between the opening of the warehouse and the docked vehicle.

Application

The dock shelter 403M is mainly used in situations where an optimal sealing is required, and in which large differences in vehicle size apply. Furthermore the dock shelter 403M is well-suited to serve as a drive through shelter.

Materials

The dock shelter 403M, front projection model consists of a stable construction with an anodised and extruded aluminium front frame and a hot-galvanized steel rear frame. The solid and rigid construction provides an optimal strength during side loading, ensuring that the bottom sections do not deflect outwards.

The frames are connected by means of hinged arms. These ensure that the dock shelter 430M can retract in the event of inaccurate docking, to prevent damage to the dock shelter and vehicle. In retracted position the vehicle – at the location of the top curtain – remains accessible for loading and unloading while using internal transportation means.

The front projection is closed by means of a continuous projection cover made from one single piece of material. As such any chinks between the attachments at the dock shelter sides and top side can be prevented, meaning draught or leakage will not apply. The positioning and form (integrated drainage at the top side) of the continuous projection cover ensure optimal drainage. Rain water is drained off from the dock shelter side. This ensures that no water will enter the door opening during loading and unloading, as such goods and products will be protected.

Dock shelter 403M

Due to the intensive working load of the curtain material, a high quality of tear and wear resistance is applicable. The curtains can be delivered in various models.

		Top curtain			Side curtain	
		2.500	3.000	3.700	3.000	3.900
Total weight (gr/m ²)	DIN EN ISO 2286-2					
Basic fibre	DIN ISO 2076	PES/PVC	PES/PVC	PES/PVC	PES/PVC	PES/PVC
Fibre	DIN ISO 9354	P 2/2	P 2/2	P 2/2	P 2/2	P 2/2
		Panama	Panama	Panama	Monofil	Monofil
Coating	Front	PVC +	PVC +	PVC +	PVC +	PVC +
	Back	PVC	-	PVC	-	PVC
Tensile strength (N/5cm)	IN EN ISO 1421	4000/4000	7800/5600	7800/5600	7700/4700	7700/4700
Tear resistance	DIN 53363	550/500	800/750	800/750	1000/650	1000/650
Cold resistance	DIN EN 1879-1	-	-30 °c	-30 °c	-30 °c	-30 °c

Type	Top curtains (gr/m ²)	Side curtains (gr/m ²)
403M-005	3.700	3.900
403M-006	3.000	3.000
403M-007	2.500	3.900
403M-008	2.500	3.000
403M-015	3.700	3.900
403M-016	3.000	3.000
403M-017	2.500	3.900
403M-018	2.500	3.000

The curtains are made from a polyester fibre and PVC top coating. Due to the special weaving of the side curtains, these are flexible in longitudinal direction, whereas the width functions as a stable curtain. These characteristics result in an optimal sealing of the vehicle during docking, and simultaneously ensures a maximum flexibility, mainly in relation to the top curtains. All curtains are finished with a wear-resistant, hard antistatic PVC top coating. The material has excellent mechanical characteristics, to ensure proper functioning under all circumstances.

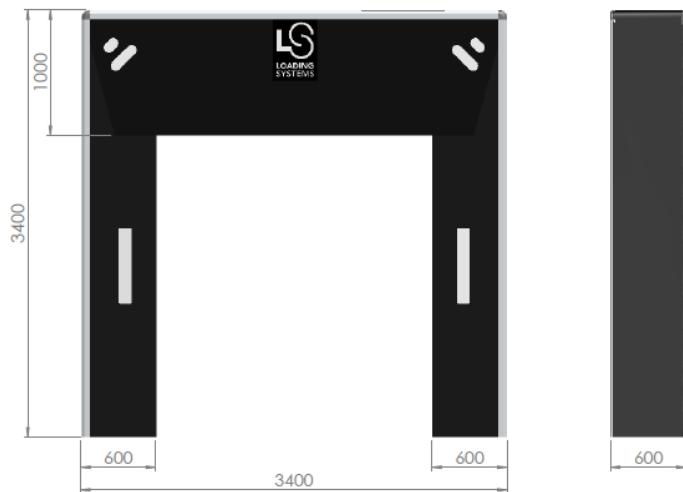
The side curtains are provided with approach markings, which serve as visual guides for the drivers to guide the correct manoeuvring of the vehicle into the shelter.

All Loading Systems products and systems – including the dock shelter 403M – comply with the highest quality standards.



Dimensions

The dock shelter 403M with its standard dimensions is suitable for central docked vehicles, with a width of 2300 to 2500 mm and a height of 3600 to 4000 mm.



The dock shelter 403M can be modified to meet each client specific situation.

Technical specifications

Width	: 3400 mm
Height	: 3400 mm
Front projection depth	: 0 mm (build-in model) : 600 mm (front projection model)
Width side curtains	: 600 mm (incl. alu profile)
Height top curtain	: 1000 mm (incl. alu profile)
Installation height	: 500 mm above the highest vehicle
Curtain models	: 2500, 3000, 3700, 3900 gr/m ²
Standard colour	: black/white

Options

- Special dimensions
- Different dimensions – side and top curtains
- Front building depth up to 900 mm
- Corner sealing elements
- Double laminated top curtain 3700 gr/m²
- Cut in top curtain
- Parallel retraction, not rotating upwards (for front model 403M only)
- Non-retractable frame
- Storm resistant model
- Different colour - dock shelter
- Different colours for anti-collision markings and ovals
- White or transparent projection cover
- Numbers on top curtain
- Client logo on top curtain
- Electrically controlled rolling blind
- Vehicle detection for electrically controlled rolling blind