



The PowerShelter 400 is a dock seal, which is used for sealing the area around the door and the vehicle, which is docked, making use of robust durable pads.

Materials

The PowerShelter 400 consists of a wooden 40 mm thick, backing board. This backing board is constructed from multiple layers of wood, which are glued together to prevent warping. To prevent decay and mould, the wood is provided with a specific and sufficient treatment.

Cushions are glued on the wood. These consist of a core of high-quality resilient polyurethane foam and a polyester trevira textile prepared cover, with a dull PVC finishing coat on both sides.

On the cover of the side cushions overlapping small plates can be installed over the full height. These small plates follow the upwards and downwards movements of the vehicle during loading and unloading, and increase resistance to tearing.

The choice of materials ensure that the seals are extremely resistant to UV radiation. Furthermore the material has a high tear resistance, tensile strength and excellent temperature durability.

	Cover without armour pleats	Cover with armour pleats	
		Cover	Armour pleats
Material	Polyester trevira textile with 2/2 binding	Polyester trevira textile with 1/1 binding	Polyester trevira textile with 2/2 binding
Tear resistance K/1 (DIN53363)	ca. 500 N	ca. 300 N	ca. 500 N
Tensile strength N/5cm (DIN 53354)	ca. 4600/4000	ca. 3000/2800	ca. 4600/4000
Temperature durability (DIN 53361)	-25° till +80°C	-25° till +80°C	-25° till +80°C

On the sides of the cushions, anodised aluminium profiles are mounted. The front side of the vertical seals are provided with approach stripes, which serve as visual guides for the drivers. They encourage correct manoeuvring of the vehicle against the seal.

All Loading Systems products and systems comply with the highest quality standards.

Dimensions

The PowerShelter 400 with its standard dimensions and recommended installation height is suitable for centrally docked vehicles, with the following dimensions:

Pad width	Vehicle width	Vehicle height
300 mm	2400 till 2800 mm	3900 till 4100 mm
400 mm	2300 till 2900 mm	3850 till 4150 mm

The PowerShelter 400 can be modified to meet each client specific situation.

Application

- The PowerShelter 400 offers optimum sealing. Unlike other models from the PowerShelter range this model is less universally applicable. Because the seal face width is relatively small, the differences in vehicle sizes cannot be too large.
- The inner dimensions of the PowerShelter 400 determine the door opening size. In order to optimise the performance of the seal, it is a requirement that the vehicles are not too high and are docked centrally on the loading bay.
- Because of the afore mentioned characteristics the PowerShelter 400 is especially useful on cold storage warehouses, and warehouses where general cargo is stored.
- The PowerShelter 400 is preferably used in combination with wheel guides, which ensure that the vehicle is always docked centrally.

Technical specifications

Pad width 400 mm

Width.....	3100 mm
Height.....	2900 mm
Pad width.....	400 mm
Pad depth.....	300 mm
Mounting height..... (recommended)	4100 mm
Cover material.....	1600 gr/m ²
Cover material with armour pleats.....	670 gr/m ²
Armour pleats material.....	1600 gr/m ²
Colour.....	Black

Pad width 300 mm

Width.....	2900 mm
Height.....	2800 mm
Pad width.....	300 mm
Pad depth.....	250 mm
Mounting height..... (recommended)	4200 mm
Cover material.....	1600 gr/m ²
Cover material with armour pleats.....	670 gr/m ²
Armour pleats material.....	1600 gr/m ²
Colour.....	Black



Options*Pad width 400 mm*

- Special dimensions.
- Manual adjustable top pad to 350 mm.
- Electrical adjustable top pad to 600 mm.

Pad width 300 mm

- Special dimensions.
- Manual adjustable top pad to 250 mm.
- Electrical adjustable top pad to 700 mm.
- Top pad 400 x 250 mm.

Building-in possibilities

The correct layout of a loading and unloading dock depends on a variety of factors. Therefore the PowerShelter 400 can be modified to meet each client specific situation.

Loading Systems***The Ins & Outs of Logistics***

Revision: 26-06-06

Technical specifications are subject to change



PowerPlate



PowerRamp



PowerShelter



PowerLock



PowerDoor



PowerLift



Accessories

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Technical specifications

Pad width 400 mm

Width.....3100 mm
 Height.....2900 mm
 Pad width.....400 mm
 Pad depth.....300 mm
 Mounting height (recommended) 4100 mm
 Cover material 1600 gr/m²
 Cover material with armour pleats..... 670 gr/m²
 Armour pleats material..... 1600 gr/m²
 Colour.....Black

Pad width 300 mm

Width.....2900 mm
 Height2800 mm
 Pad width.....300 mm
 Pad depth.....250 mm
 Mounting height (recommended) 4200 mm
 Cover material 1600 gr/m²
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