5. Dock Shelter

Loading platforms are continuously exposed to the weather. The use of a dock shelter holds the effects of the weather outside in that they seal the space between the truck and the building. Also, this sealing prevents heat loss and keeps dust and insects out during loading / unloading

We know 3 types of dockshelters:

- DSS-300 Cushion dockshelter
- DSCM Curtain dockshelters
- DSI Inflatable dockshelters

We recommend you to first evaluate the intensity of the use (how often is the dock used?), the duration of the loading and unloading of the goods, the type, size and shape of the vehicles to be docked and the type of warehouse. These factors are crucial for the choice of the most suited dock shelter and the corresponding dimensions for the application.

Dimensions of a curtain dock shelter DSCM

The DSCM curtain dock shelters can be used for a wide variety of purposes and are excellently suited for loading and unloading platforms where many difference vehicle sizes dock. The optimum applicability and relatively low price make this type of shelter the most frequently applied dock shelter.

During docking, the vehicle presses against the curtain structure, resulting whereof the curtains provide an excellent sealing between vehicle and building. To assist the vehicle driver when docking in the centre of the dock shelter, white guiding stripes have been applied on the side curtains.

The vehicles to be sealed off are the determining factor for the ideal dimension of the dock shelter.
In the most ideal situation the dock shelter is 500 mm higher than the highest vehicle and 700 mm wider than the widest vehicle .

The DSCM shelter size determination can be calculated by means of the following calculation example:

(HV) Highest vehicle (empty) :	4100 mm
(LV) Lowest vehicle (loaded) :	3600 mm
(PH) Highest loading platform :	1200 mm
(WV) Widest vehicle (with open doors) :	2700 mm
(NV) Narrowest vehicle :	2300 mm

IH (ideal height) = HV + 500 - PH
IH = 4100 + 500 - 1200
IH = 3400 mm

IW (ideal width) = WV + 400 (200 per side) + 300 (space for non-aligned docking)
IW = 2700 + 400 + 300
IW = 3400 mm

ATTENTION
We recommend to install the dock shelter bottom side parallel to the platform height. As such damage to the side curtains due to jamming between vehicle and dock bumpers is prevented.

The standard dock shelter front building depth is 600 mm. Based on the standard curtain width, this is the most ideal front building depth.

For the installation of the dock shelter, the clear width of the opening of the door may not be wider than the width of the dock shelter minus 100 mm.

Upon delivery of the DSCM-R in combination with a front building model mini dock leveller MDL-R, the front building depth to be applied must be 900 mm.

Built-in shelter
If required from an aesthetic point a view, a built-in shelter can be selected (type DSCM-N). The curtain dock shelter is than built-in, in a structural facility or dock house.

5. Dock Shelter

Building requirements

In order to guarantee a flawless and optimal functionality of the shelter itself, it is required that the building (and specifically the foundation) meets a number of requirements.
These mainly relate to:

- The installation surfaces must be flat and aligned.
- If a canopy is positioned above the shelter, the minimum space above the shelter must be 150 mm (depth 600 mm) and 250 mm (depth 900 mm) respectively. However, it is recommended to choose a shelter with option 590, for this option allows the shelter to compress parallel to the building.
- The required installation surfaces and clearances are to be in accordance with the construction drawing.
- A steel mounting frame at the back side, if a sheet piling profile cladding applies.