Sustainable logistics
with intelligent docking systems

Loading Technology

Complete solutions for more efficiency

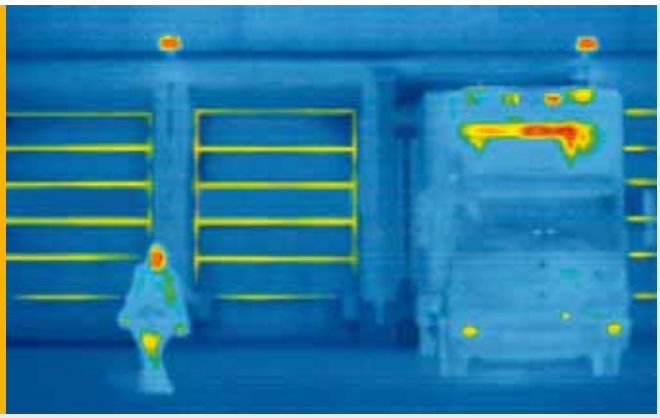
HÖRMANN


34

The right concepts
Efficient planning

Energy efficiency

Thermographic studies confirm that a building's openings are a particularly critical factor when it comes to energy efficiency. With proper planning and the proper equipment that matches the building's intended function, thermal loss can be kept at a minimum.



Safety

Workplace safety is quite rightfully a very important issue. Accident and health risks as well as damage to goods, vehicles and building equipment must be avoided. Especially at loading bays, where your own employees and external staff work together, suitable measures must be considered carefully.

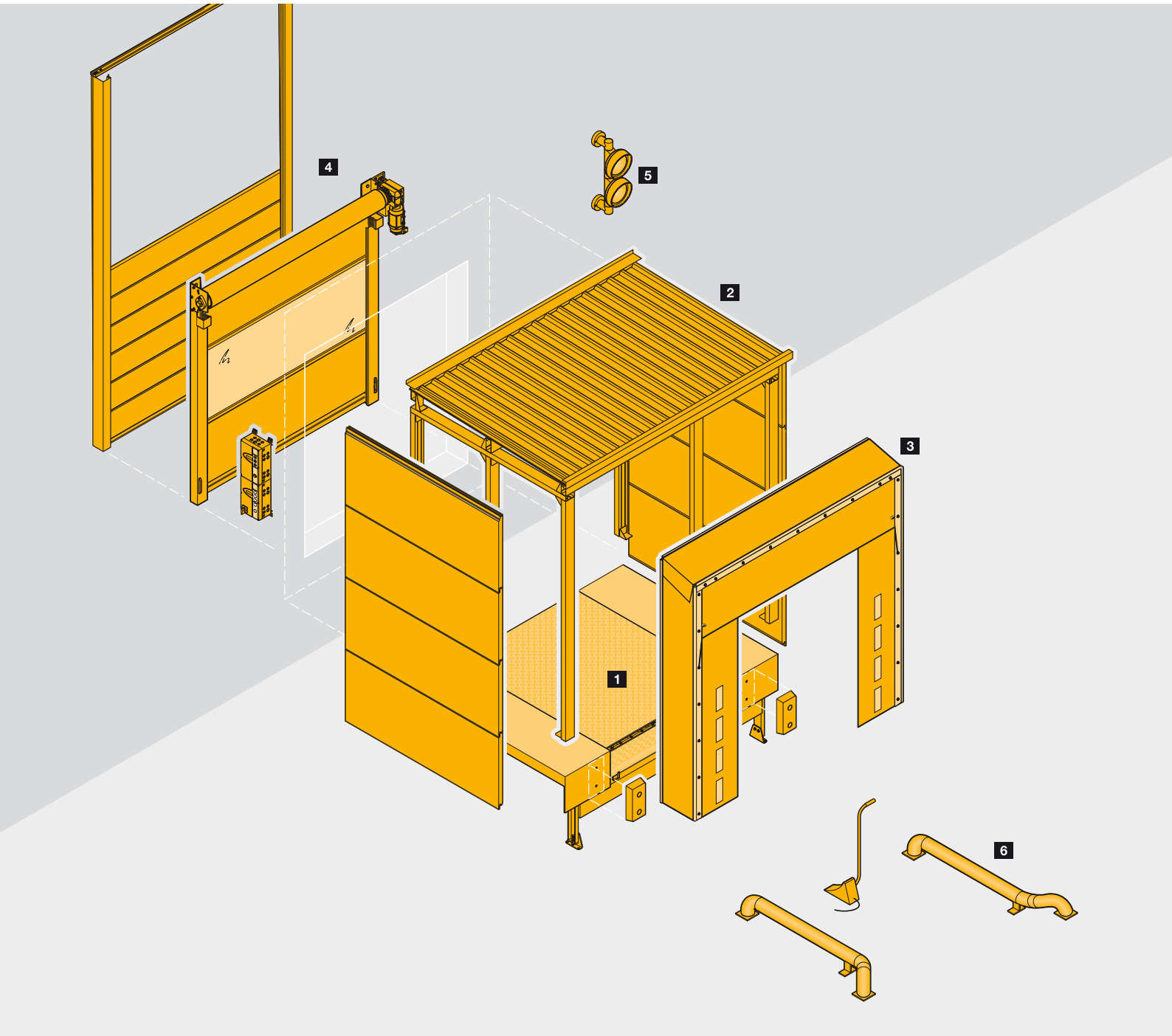
Longevity

The rough nature of daily use quickly leaves its mark on loading bays – quick wear and tear, collision damage and planning errors can require costly repairs and replacements within a very short period of time. High-quality materials, coupled with foresighted planning and the selection of suitable protection measures protect your valuable investment.

Increasing demands as to energy efficiency, safety and longevity require individually adjusted solutions. We advise you on site and recommend an economically efficient system which in terms of quality, function and reliability meets your requirements.

The right products

Developed and manufactured in-house



Optimally co-ordinated system

All components for your loading bay are available from a single source: Hörmann. Developed and manufactured in-house, Hörmann products are optimally co-ordinated, which ensures smooth loading and unloading at your loading bay.

1 Dock levellers
2 Loading houses
3 Dock seals / shelters
4 Industrial doors
5 Control systems
6 Dock and safety accessories

Good reasons to try Hörmann

Individual solutions from the market leader for doors and loading technology

1 Robust dock levellers

Sustainability and quality go hand in hand. Dock levellers have to withstand the rough day-to-day loading environment. For this reason, all components are manufactured using high-quality materials.
The design of all dock levellers corresponds to EN 1398 and, with regard to loading capacity, is dimensioned generously.
Particularly sturdy flat anchors, ventilation slots in the edge bracket and adjustment angles to screw ensure reliable fixing in the building structure, one of the most important prerequisites for a long service life.

For further information, see pages 18 – 19.

2 Energy-efficient loading houses

The dock leveller is fit directly in front of the building with a loading house, allowing the building opening to be sealed efficiently with an industrial door.
As early as the quotation phase, we are able to provide model statistics defining the maximum wind and snow loads for Hörmann loading houses.

Any unevenness in the door can easily be compensated for using adjustable feet.

For further information, see pages 34 – 37.

3 Flexible dock seals and shelters

Dock seals and shelters are particularly efficient when they are optimally adapted to the docking vehicles and the loading situation. This requires a wide range of flexible solutions.
Robust push-in flap dock shelters with different frame constructions prevent them from being damaged during docking.
Inflatable dock seals adjust to different vehicle dimensions. Roll-up flaps compensate for even larger differences in vehicle heights.
Dock seals and shelters with telescopic link arms or rising roof constructions are recommended to compensate for vehicle movements or when placing interchangeable containers.

For further information, see pages 38 – 43.

4 Compatible control systems

From development to production, all Hörmann door and dock leveller controls come from the same source, making them optimally matched to each other. As a result, you benefit from a uniform operating concept with standardised housing sizes and the same cable sets for dock levellers and door controls.
Another advantage: If the dock leveller control is placed beneath the door control, both controls can be combined into a single compact unit.

For further information, see pages 26 – 27.

Proper planning

Sustainability begins with planning

Loading technology inside the building

With many interior solutions, energy is lost through the dock leveller even when the door is closed. This leads to unnecessary energy loss in temperature controlled buildings, which can be prevented with the proper planning.

For such cases, Hörmann offers concepts with advance travel doors and insulated panels under the dock leveller. This minimises heat loss outside loading times.

For buildings that are not temperature controlled, the conventional fitting with a door mounted to the dock leveller is suitable.

Loading technology in front of the building

In the external solution, the dock leveller is placed in front of the building in a loading house. The loading house acts as the door to the building, minimising energy loss, especially when no loading is in process.

A further advantage: The interior building space can be used entirely up to the door. This solution is also suited for modernisation, as a complete loading bay can be added to the building without costly reconstruction measures.

Loading houses

The energy-efficient and space-saving solution

Loading houses are placed in front of the building, which is particularly energy-efficient and space-saving. This means that the entire building space can be used, right up to the exterior walls. The building door extends to the building floor not on top of the dock leveller, but behind it. This way, the door opening is optimally insulated, especially outside loading times. Loading houses are also suited for modernisation, as a complete loading bay can be added to the building without costly reconstruction measures.

We also help you to plan the roof and side connections to the building.

Static calculation

A static calculation according to EN 1990 is available for all models. Depending on the version, the particularly stable design carries a roof load bearing capacity of max. 1 kN/m² or 3 kN/m² and is also recommended for snowy regions. The max. wind load is 0.65 kN/m². Thus, with Hörmann you can plan loading houses simply and safely. For higher requirements, please speak to your Hörmann partner.

Adjustable pedestal feet

The height of the loading house pedestal feet can be adjusted to optimally adapt to the building level. This facilitates fitting and allows for the compensation of possible building subsidence, even years later.

Optimal drainage

Loading houses are drained via a standard roof slope of 2 % towards the front. Under certain conditions, an optional roof slope of 10 % is possible. Contact us.
On request, a gutter can also be fitted to the loading houses in combination with a drainpipe.

Flexible control

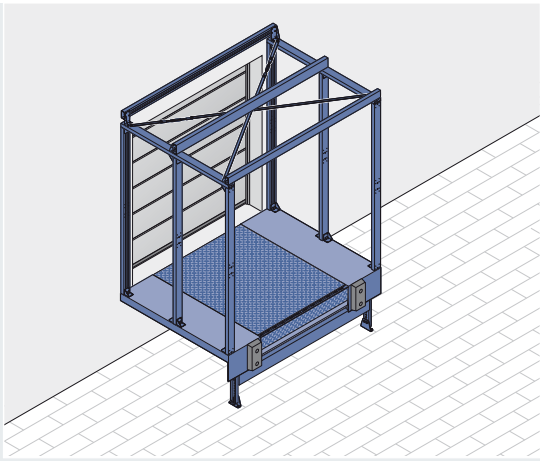
The optional external control DTH-T enables exact control directly at the loading point. This allows for the dock leveller telescopic lip to be positioned exactly onto the loading house even though the main control is located in the building. The external control can also be retrofitted to existing Hörmann door systems.

Loading houses

The right solution for any requirement

Loading house LHF 2 for on-site cladding

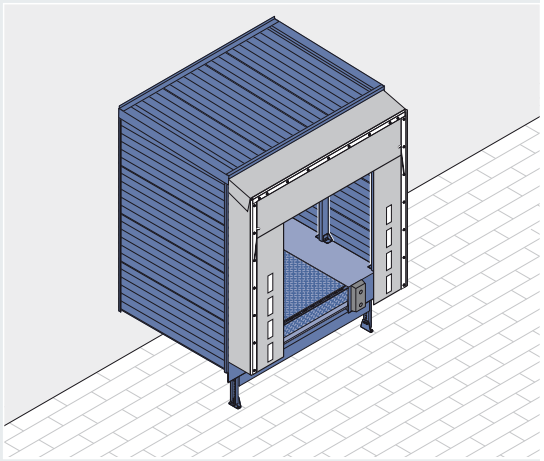
Any suitable cladding can be applied on the frame construction on-site, which is recommended when the building's facade should also determine the appearance of the loading house.



Loading house LHF 2 for on-site cladding
made of steel
for customized requirements

Loading house LHC 2 with single-skinned cladding

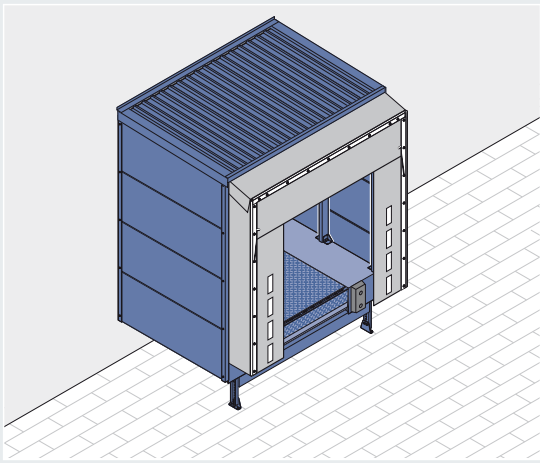
The single-skinned cladding protects staff and goods from the adverse effects of the weather during the loading process.



Loading house LHC 2 with single-skinned panels

Loading house LHP 2 with double-skinned 60 mm sandwich panels

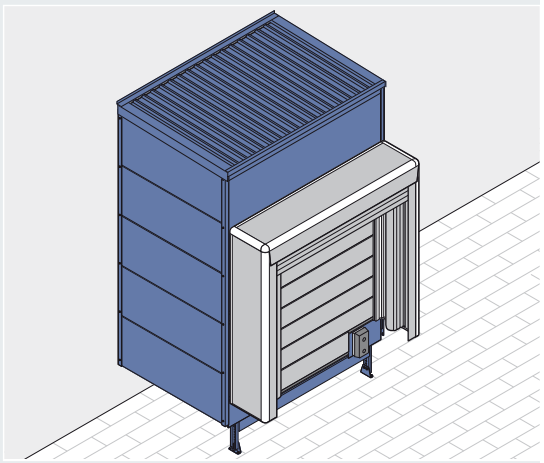
In this version, the side walls and the roof panel are made of double-skinned 60-mm-thick steel panels. The side walls are concealed, without visible screws. This version is recommended when, in addition to protection against adverse effects of the weather, noise transmission is to be decreased during loading.



Loading house LHP 2 with 60 mm panels

Thermo loading house LHP 2 Thermo with double-skinned 80 mm sandwich panels

When loading houses are part of the cooling zone, we recommend equipping them with 80-mm-thick sandwich panels. This Thermo version is additionally insulated under the dock leveller with 80 mm panels. A thermally insulated industrial sectional door should be used as an external door.

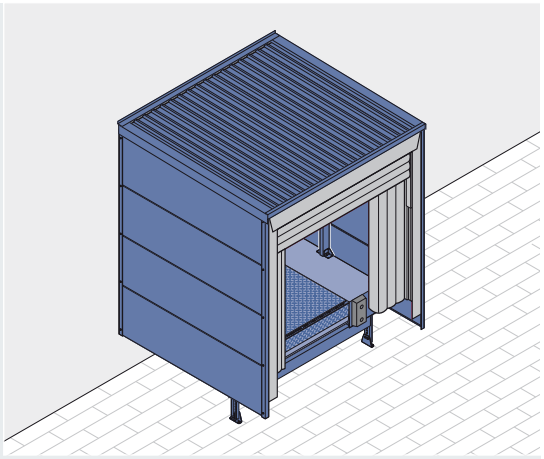


Loading house LHP 2 Thermo with 80 mm panels
Insulated
all-round, suitable
for refrigerated
warehouses

Hörmann practical application tip
On request, loading houses can be prepared for fitting rolling shutter SB Decotherm as an exterior door.

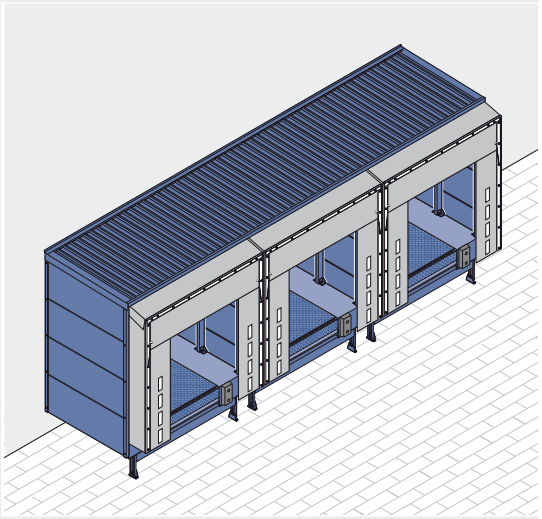
Loading house with recess for inflatable dock seal

With this solution, appearance, design and use of materials are optimally co-ordinated.



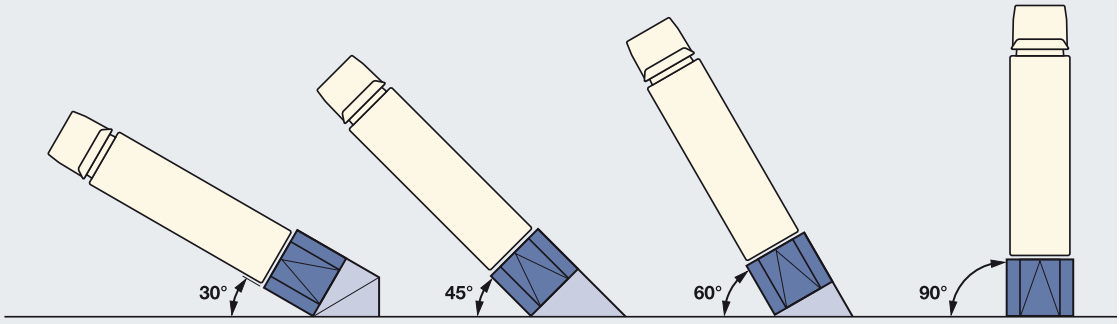
Series in element assembly arrangement

Arranged as a series with a 90° angle, several loading houses can be combined into a single compact space-saving unit. This is not possible with Thermo loading houses.



Individual loading houses in variable arrangement

Loading houses can be used as single loading bays or as a series positioned in a 90° angle in front of the building. They are also available for arrangement at angles of 30°, 45°, 60°, 120°, 135° and 150° for more manoeuvrability.



Panel versions

As standard, the roof and side cladding are supplied in Grey white, RAL 9002, on the inside and outside. The outside is also available in White aluminium, RAL 9006. Available on request in many RAL colours.

Single-skinned

Double-skinned