

# Industrial Sectional Doors

STEEL AND ALUMINIUM DOORS  
CONVINCING FUNCTIONALITY, TECHNOLOGY  
AND DESIGN

**NEW**

Now available  
in trend colours and wood designs



In accordance  
with the provisions  
of EN 13241-1



WE OPEN THE DOORS FOR PROGRESS

# Corporate philosophy at Teckentrup

WE OPEN THE DOORS FOR PROGRESS...

Future-oriented innovations and continual system improvements are an inherent part of the Teckentrup corporate philosophy. Thanks to its innovative solutions and creative technology, Teckentrup is constantly setting new benchmarks in the production of doors and door systems. Prime examples of this are the challenging areas of fire safety, smoke protection, sound insulation, security and heat insulation. Teckentrup special doors and door systems are orientated

towards utility value, satisfying even the highest of demands with regard to the latest technology, design and quality. Top-grade materials, precise workmanship and continual quality control checks in accordance with DIN ISO 9001 guarantee first-rate safety, reliability and durability. This is what makes each and every Teckentrup product a well-worth investment.



Teckentrup sectional doors comply with the safety requirements of current European standards.

Teckentrup sectional doors comply with the provisions of EN 13241-1.

- Mechanical aspects
- Utility reliability
- Heat insulation
- Sound insulation
- Weather-resistance
- Wind pressure



## ... WITH STATE-OF-THE-ART TECHNOLOGY AND INTELLIGENT DESIGN CONCEPTS

### Teckentrup sectional doors – the ideal solution for any requirements

The different basic door types SW, SL and SLW, together with a whole host of design possibilities make Teckentrup sectional doors flexible enough to be adapted to any given requirements. In addition to the space-saving, vertical guide rail system, these sectional door systems are also marked by their quiet operation, durable surface finishes and design diversity.

Features such as attractive glazing and wicket or side doors ensure that no requirement is left unfulfilled.

One successful innovation is the alternative surface which is galvanized with a transparent protective coat instead of a colour coating. This particularly inexpensive option with an attractive silver effect finish is the alternative to coloured doors with no compromise to weathering resistance or mechanical stress resistance.

### SW sectional door

#### Energy saving steel door

The reliable solution for robust operation and heat insulation.

Page 8



### SL sectional door

#### Aluminium glazed door

The elegant solution for high demands in terms of design and light incidence.

Page 12



### SLW sectional door

#### Combined steel/aluminium door

The economical solution for high security and modern glass architecture.

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# For any given requirements

THE OPTIMUM SOLUTION EVERY TIME

## Teckentrup sectional doors make space

The door leaf, which consists of a series of individual sections joined horizontally, does not take up any valuable space when opened. In fact, when retracted, the door discretely glides up and under the production hall ceiling, leaving the entire door opening free for access. Depending on the given structural conditions, the door is retracted and guided behind the lintel at an angle of 90° and, following the slope of the roof, guided upwards or is raised upwards and positioned vertically.



The entire hall opening can be used: extremely wide goods can be easily transported.



Trucks carrying heavy loads can pass unhindered.

## Convincing quality and performance

All performance features meet the provisions of EN 13241-1.

Heat insulation (DIN EN ISO 12428)	Door panel 40 mm: $U = 0.56 \text{ W/m}^2\text{k}$ Door leaf without glazing: $U = 0.95 \text{ W/m}^2\text{k}$ Installed door: $U = 1.25 \text{ W/m}^2\text{k}^*$ <small>*25 m<sup>2</sup> door surface without glazing</small>
Sound insulation (ISO 717-1)	Rw = 24 dB
Air permeability (DIN EN 12426)	Class 3
Resistance to wind load (DIN EN 12424)	Class 3 (higher loads on request)
Resistance to water penetration (DIN EN 12425)	Class 3
Reaction to fire (DIN EN 4102)	Door leaf element material class B2 (normally inflammable)

## IN INDUSTRIAL AND COMMERCIAL BUILDINGS

Teckentrup sectional doors come in a wide variety of designs with various different features for any given industrial or commercial purpose.

Whether for heated or unheated areas, depending on the individual requirements, Teckentrup door systems guarantee the following features:

- Extreme robustness
- Reliable and quiet operation
- Safe operation, in compliance with current safety requirements
- Design-oriented surfaces and optimum light solutions



SLW sectional door.



SL sectional door with wicket door.



SLW sectional door with wicket door.



SL sectional door with expanded metal mesh.



SLW sectional door.

# Unlimited flexibility

SUITABLE FOR ANY TYPE OF BUILDING FAÇADE

## For any architectural style

The flexible design concept featuring individual sections and profiles enables the doors to be well matched to any type of building façade style. Depending on the building construction surrounding the façade, with the SL door model, for example, the vertical and horizontal stay bars or panels can be designed to match to the rest of the façade.



SL sectional door, optical integration into glass façade.



SL sectional door, designed to match the existing façade architecture.



SL sectional door with expanded metal mesh, perfectly matched to the optical design of the façade.

## MULTI-FUNCTIONAL



SW sectional door with glazed strip, „Golden Oak“ design.

### Maximum stability

These robust door systems can be used in any given area. Even in halls used in agricultural production or multi-purpose halls, Teckentrup sectional doors guarantee operation with heavy-duty machinery and vehicles. Thanks to the flexible design concept, these doors can be adapted to meet any building conditions.



SW sectional door with wicket door and glazed strip.



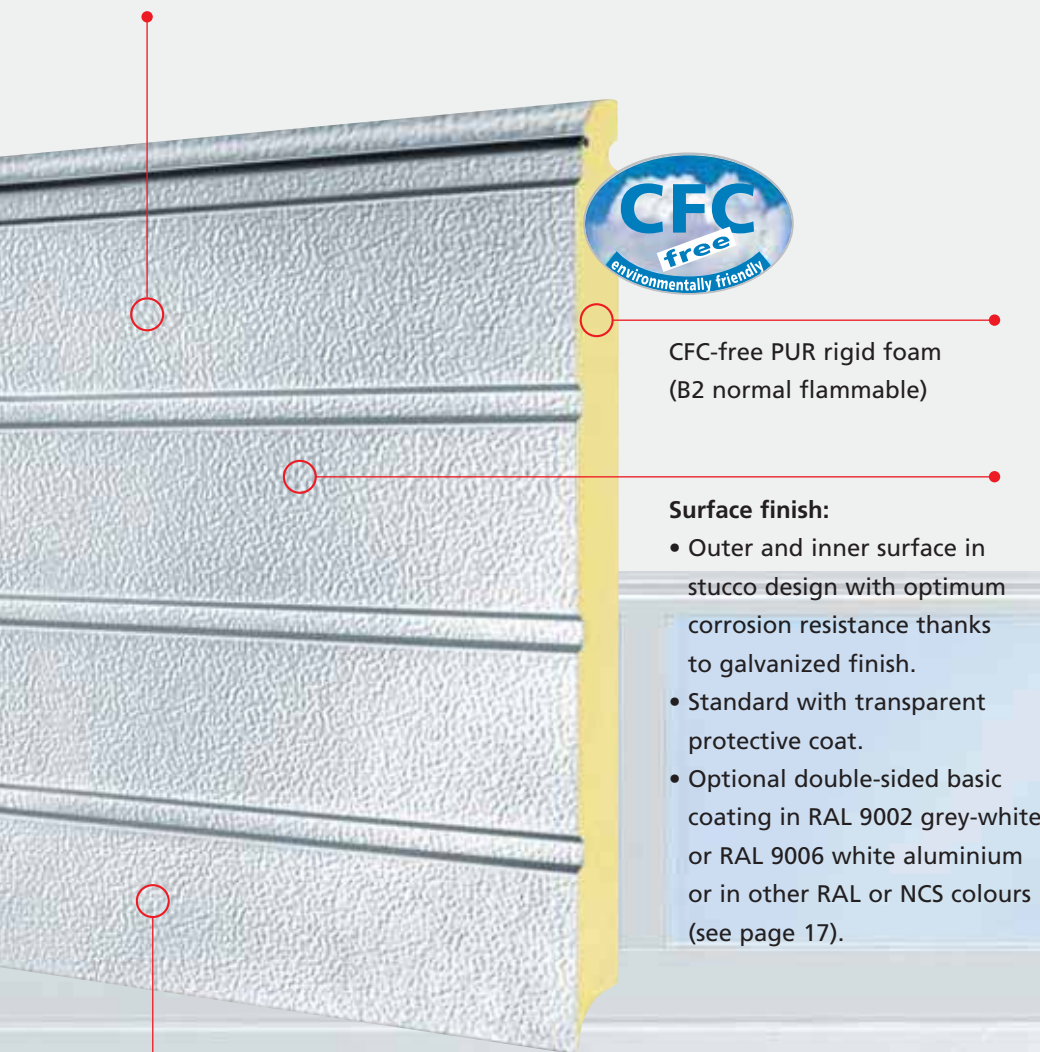
# SW sectional door – the energy saving door

- STEEL SECTIONS, 40 MM THICK
- DOUBLE-SKINNED, PUR FOAM CORE
- OPTIONAL GLAZING

## High-quality steel – the cost-effective version

Galvanized finish with transparent protective film

- modern high-tech look
- less expensive than coated doors
- but with the same high resistance and long life cycle



CFC-free PUR rigid foam  
(B2 normal flammable)

### Surface finish:

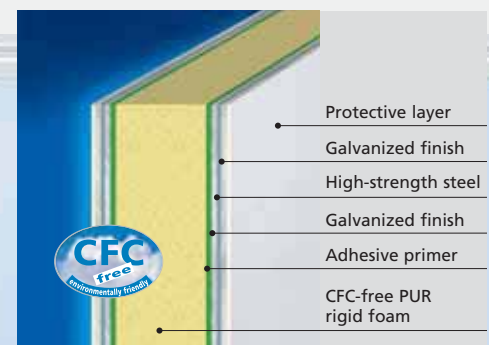
- Outer and inner surface in stucco design with optimum corrosion resistance thanks to galvanized finish.
- Standard with transparent protective coat.
- Optional double-sided basic coating in RAL 9002 grey-white or RAL 9006 white aluminium or in other RAL or NCS colours (see page 17).

Section height 500 mm or 625 mm, even horizontal ribbed structure, with partial glazing, (see page 18).



SW sectional door with 2 floor sections and 2 glazed strip sections.

## Long-term durability thanks to multi-layer design



SW sectional door with sandwich glazing.



## ... PREVENTS HEAT FROM ESCAPING



SW sectional door with wicket door.

The SW sectional door from Teckentrup guarantees maximum safety and reliability. The double-skinned design featuring a PUR foam core is heat insulating and particularly suitable for heated halls.

The modern styles and colours are easily integrated into the existing architectural style of the hall. Whether with a galvanized finish, a coloured surface finish or a combination of different glazing systems – Teckentrup doors offer a high degree of design freedom.

SW sectional door, painted surface and glazed strip.



# SW/SLW Sectional Door

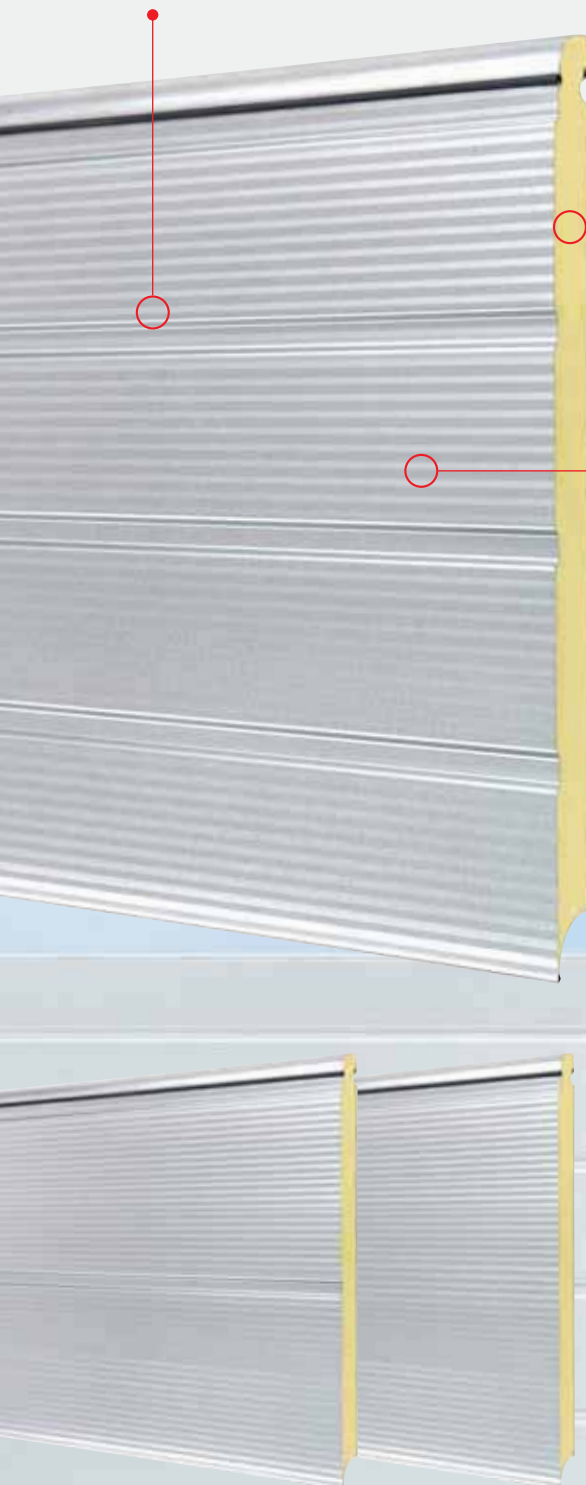
- MADE OF STEEL PANELS; 40 MM THICK
- DOUBLE SKINNED, PUR FOAM CORE
- OPTIONAL VIEWING WINDOW

Section heights of 500 mm, 625 mm or 750 mm, horizontally ribbed structure with equal sectioning, semi glazing also available, see page 18.

**NEW**

## "Micro-profiled" surface

- elegant lightly rippled design
- provides every hall with an elegant optical appearance
- available in a ribbed, centre ribbed and unribbed finish



CFC-free PUR rigid foam (B2: normally flammable)

### Surface finish:

- Micro-profiled outer surface and inner surface in stucco design with optimum corrosion protection thanks to the galvanized finish.
- Standard with transparent protective coat.
- Optional double-sided basic coating in RAL 9002 grey-white or RAL 9006 white aluminium or in other RAL or NCS colours (see page 17).

Also available in a "centre ribbed" and "unribbed" finish.



Micro-profiled SW sectional doors.

# Micro-Profiled Surfaces

FOR MORE CREATIVE FREEDOM

## The exclusive design

The special, fine ribbed, wear-proof surface is extremely robust and provides planners with innovative creative opportunities. The closely-lined appearance of the micro-profiled surfaces enables new, impressive design concepts to suit the modern architecture of hall façades.



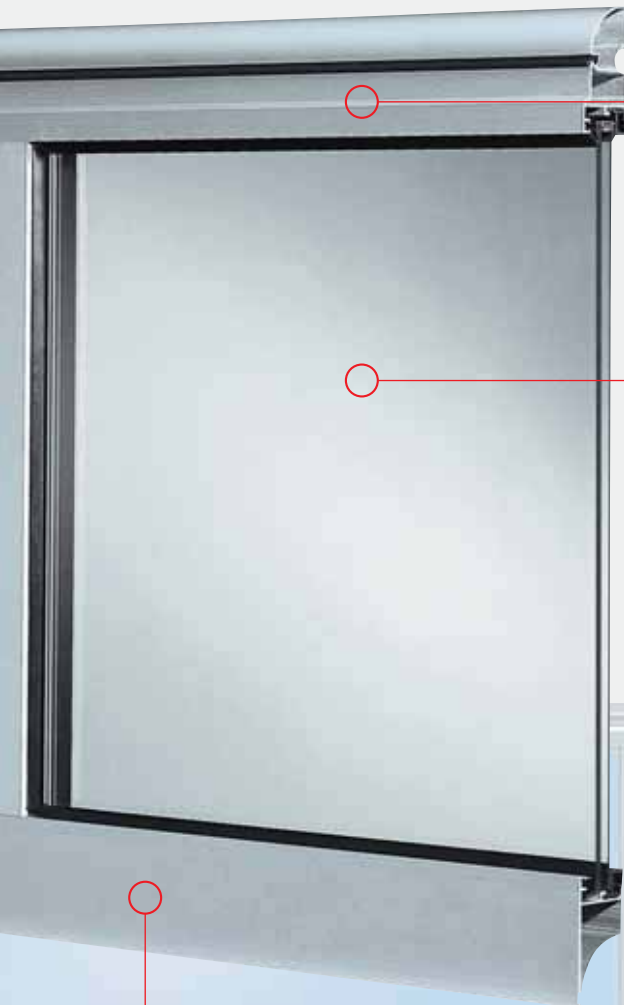
SLW sectional door, micro-profiled with glazing strip.

SLW sectional door, micro-profiled with extensive glazing.



# SL sectional door – the glazed door

- ALUMINIUM FRAME PROFILE, 40 MM THICK WITH SAN GLAZED ELEMENTS



Aluminium frame profile:  
Extruded in acc. with DIN 17611  
Anodized surface finish

Glass panels:  
Max. frame height 750 mm,  
Standard 16 mm SAN glazing.  
Other panels available on request:  
– 3 mm single glass pane  
– Structural glass  
– Insulation infill  
– Expanded metal mesh (see page 19)



**Optional:**  
Now also available in an extremely scratch-proof version – for a permanent clear view.

Surface finish:  
Optional E6/EV1 natural aluminium finish  
or high-grade powder coating in RAL  
or NCS colours (see page 17)  
– Highly scratch and shock-proof  
– Corrosion-proof



SL sectional door with a vertical post for optimum view.

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... CREATES A BRIGHT AND FRIENDLY ENVIRONMENT

The SL sectional door from Teckentrup, which is made up of an aluminium frame and glazed elements, is highly light permeable and lends an elegant optical appearance to any hall. The glazing shapes and patterns can be chosen to meet your

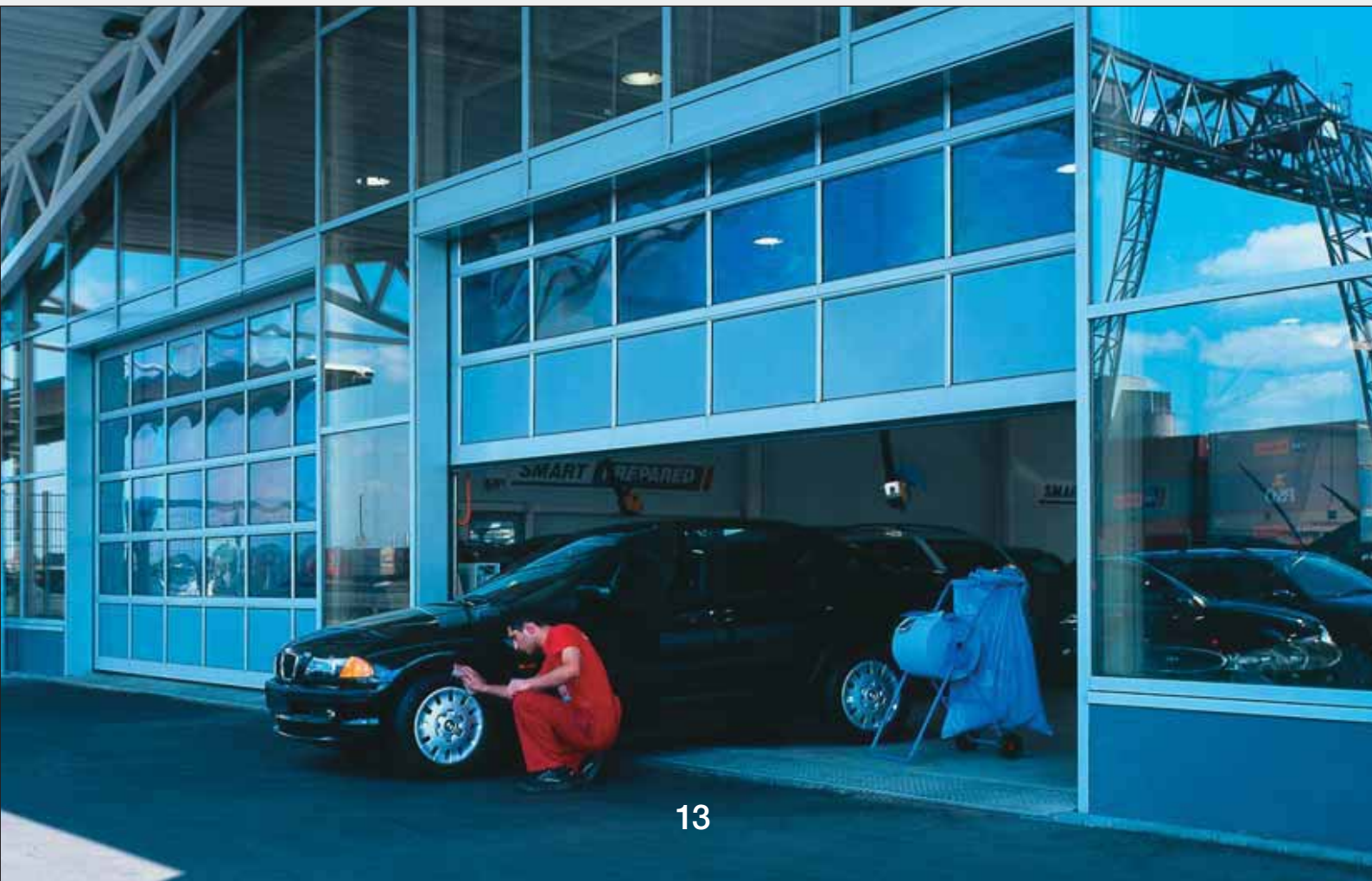
individual requirements. Optimum light incidence creates a positive and pleasant environment. Depending on your wishes, a colour infill to match the frame profile can also be combined with glazed elements.



SLW sectional door.



SL sectional door with insulation infill and glazed strip.



# SLW sectional door – the combination door

## THE COMBINED STEEL / ALUMINIUM DOOR

- DOUBLE-SKINNED STEEL BASE WITH PUR FOAM CORE
- ALUMINIUM FRAME CONSTRUCTION WITH SAN GLAZING

### High-quality steel

Galvanized finish with transparent protective film

- modern high-tech look
- less expensive than coated doors
- but with the same high resistance and long life cycle



Aluminium frame profile:  
Extruded in acc. with DIN 17611  
Anodized surface finish

Glass panels:  
Max. frame height 750 mm,  
Standard 16 mm double glazing.  
Other panels available on request:  
– 3 mm single glass pane  
– Structural glass  
– Insulation infill  
– Expanded metal mesh (see page 19)



### Optional:

Now also available in an extremely scratch-proof version – for a permanent clear view.

CFC-free PUR  
rigid foam  
(B2: normally  
flammable)



### Surface finish:

Outer and inner surface in stucco design with optimum corrosion resistance thanks to galvanized finish.

Standard with transparent protective coat.

Optional double-sided basic coating in RAL 9002 grey white or RAL 9006 white aluminium or in other RAL or NCS colours (see page 17).

### Bottom seal:

Accurately fitted bottom seal prevents heat loss even if floors are uneven.

## ... TWIN FUNCTIONALITY

The SLW sectional door from Teckentrup, which features a sectional steel base and an elegant aluminium frame design, is the economical alternative when both robustness and a high degree of light incidence are needed.

Glazed elements allow a lot of light to enter the hall, creating a bright and pleasant environment. The standard double glazing used provides optimum heat insulation.



SLW sectional door for car wash.

SLW sectional door for loading ramp.



SLW sectional door for vehicle parking building.

# Perfect design concept

## MATCHING DOOR ELEMENTS

For additional easy access for persons and small transport vehicles, why not opt for a separate threshold-free side door or an integrated wicket door.

### Wicket door

- Extremely robust 80 mm low threshold
- With continuous bottom seal against dirt, driving rain – also for slight unevenness
- Edge seal on four sides and upper aluminium rainwater channel
- Sliding door closer
- Electrically operated doors with sensor.



SLW wicket door, with 80 mm low threshold and electronic scanning.

### Side door

- Door frame made of cold rolled aluminium
- Infill to match door leaf design
- Frame and mechanical seal on three sides.



SL sectional door with insulation infill and side door with trim.



SLW sectional door with wicket door.



SL sectional door with side door, insulation infill combined with expanded metal mesh in underground garage.

# Customized designs

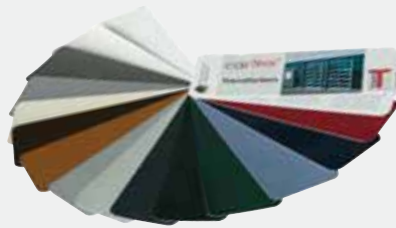
IN ALL THE COLOURS OF THE RAINBOW

## All the colours of the rainbow

The optical impression given by the doors of industrial production halls is of great importance and can even be seen as the perfect medium for communicating a company's corporate design. The wide range of colours available from Teckentrup allows for a whole host of different door designs. Planning engineers have unlimited resources to draw on, enabling them to create a design that meets your individual style requirements.

**NEW**

Now available in many trend colours at favourable prices.

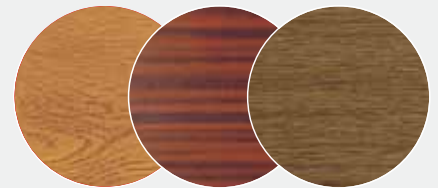


RAL and NCS colours for any of the door systems.



**NEW**

Attractive UV-resistant wood designs.

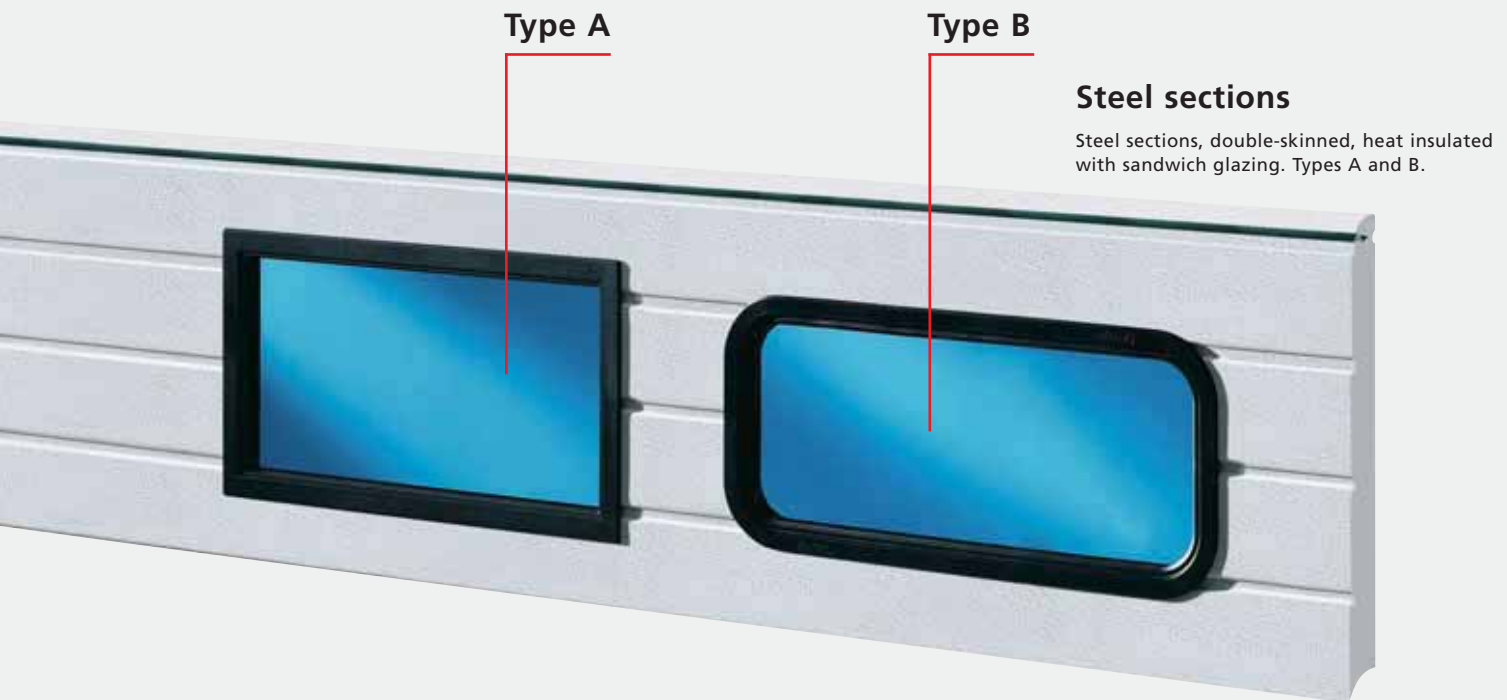


Anodized colours for SL sectional doors.



# Infinite combinations

OF MATERIALS, SECTIONS AND GLAZING...



## Steel sections

Steel sections, double-skinned, heat insulated with sandwich glazing. Types A and B.

Whatever your individual requirements, the door sections can be designed to satisfy your every wish. 100% steel leaves, or alternatively with sandwich glazing, or perhaps you prefer aluminium frames with glazed panels or insulation infill. Whatever your needs, we will help you make the right choice.



Single-skinned section  
Height: 500 mm  
with horizontal ribbed  
structure.

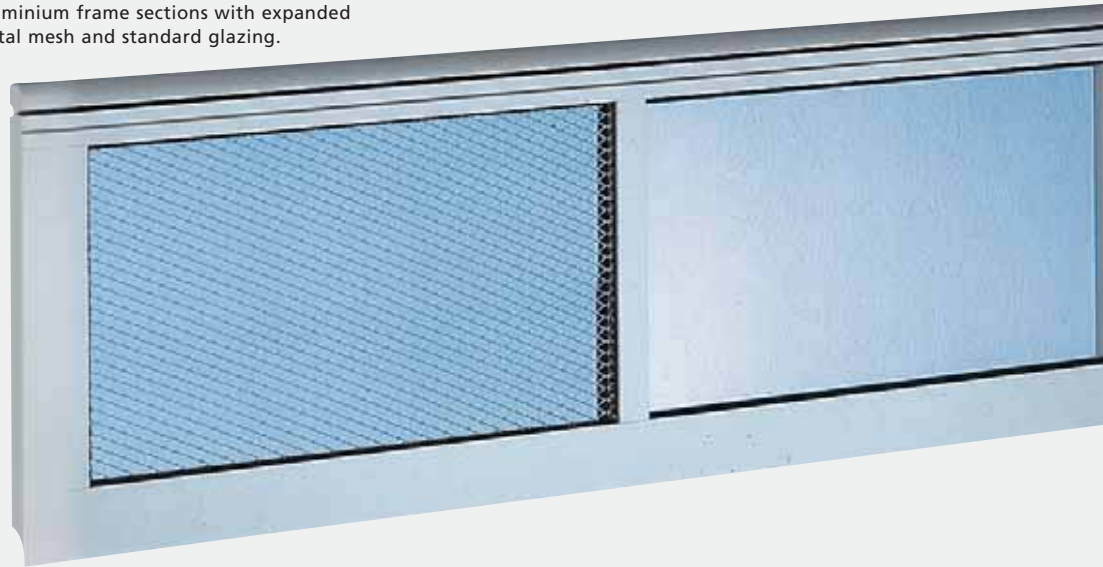


Section featuring sandwich  
glazing  
Type A, 26 mm thick;  
Height: 500 mm;  
Double-skinned frame  
with EPDM seal.

... HELP YOU MAKE THE BEST DECISION

## Aluminium sections

Aluminium frame sections with expanded metal mesh and standard glazing.



Frame section with 16 mm SAN double glazing.



Frame section with 3 mm SAN single pane.



### Optional:

Now also available in an extremely scratch-proof version – for a permanent clear view.



Frame section with insulation infill.



Frame section with expanded metal mesh.



Frame section with 3 mm structural glass.

# Custom-built

## FITTINGS SUITED TO ANY TYPE OF HALL



SW sectional door with normal fitting which follows the shape of the roof.

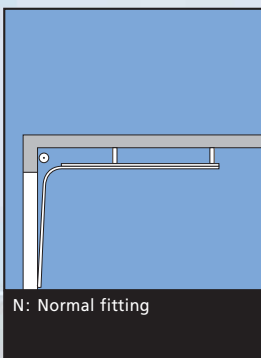
If the hall has extremely high dimensions or uninterrupted operation with no interference from door movement is essential, the runner rails can be adapted to the given conditions. Higher runner rails can be installed, for instance, to ensure that the door is deflected at an angle of 90° to prevent collisions with cranes. All the necessary fittings are available for Teckentrup sectional doors.



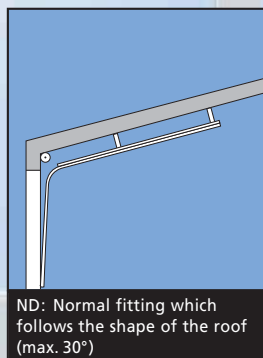
Low headroom fitting with rear spring shaft. Min. headroom 250 mm.

### Minimum headroom

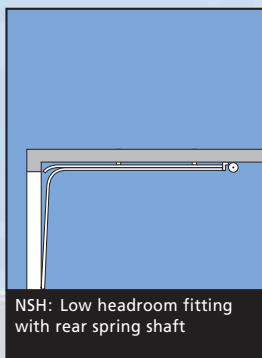
Standard: 400 mm, Low headroom: 250 mm



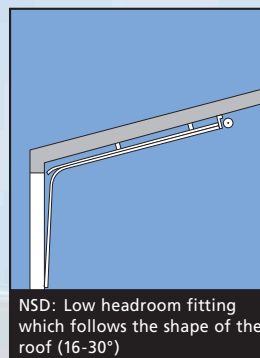
N: Normal fitting



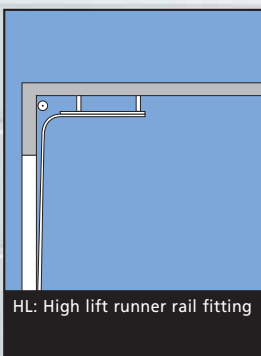
ND: Normal fitting which follows the shape of the roof (max. 30°)



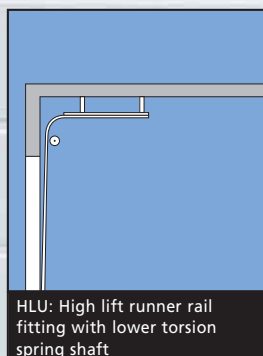
NSH: Low headroom fitting with rear spring shaft



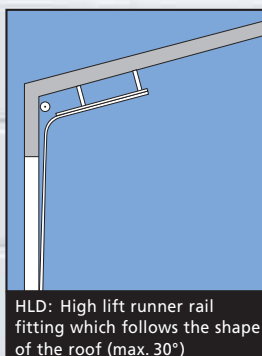
NSD: Low headroom fitting which follows the shape of the roof (16-30°)



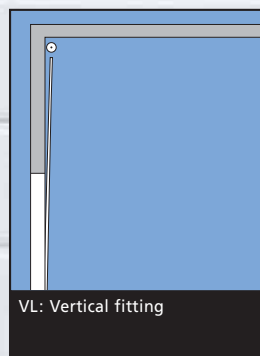
HL: High lift runner rail fitting



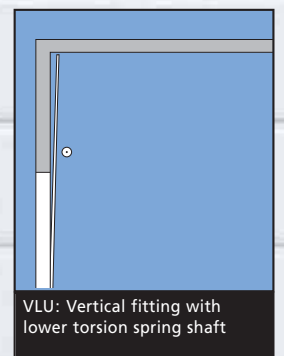
HLU: High lift runner rail fitting with lower torsion spring shaft



HLD: High lift runner rail fitting which follows the shape of the roof (max. 30°)



VL: Vertical fitting



VLU: Vertical fitting with lower torsion spring shaft

CUSTOMIZED SOLUTIONS  
TO MEET INDIVIDUAL REQUIREMENTS



# Guaranteed safety

ATTENTION TO DETAIL  
AND PATENTED IDEAS

Teckentrup sectional doors comply with all the safety requirements of applicable European standards.



**Finger pinch protection**  
Patented finger pinch protection for inside and outside of door.



**Hand protection**  
Lateral hand protection prevents the hand from being accidentally caught between the frame and guide rail.



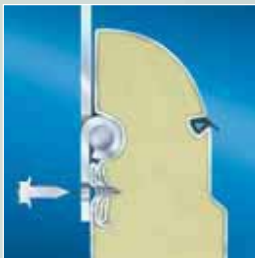
**Spring break protection**  
A spring break safety stop brings the rotating shaft to a halt in the event of spring breakage. The door will stop moving immediately.



**Secure shaft connection**  
Assembly-friendly, secure and robust torsion spring shaft connection.



**Secure runner rail**  
Special screw channel for stronger screw connections and more secure runner rail fittings.



## MAKE OUR DOORS SAFE IN EVERY POSSIBLE WAY



**Side seal**  
An edge seal on both sides ensures optimum insulation and sealing.



**Central seals**  
Seals are fitted between the individual sections of the door across the entire width of overall door.



**Lintel seal**  
This seal safely closes off, seals and insulates the door across its full width.



**Bottom seal**  
Non-perishable bottom seal made of elastic, anti-frost EPDM rubber profile compensates for any unevenness in the floor and offers protection from the cold and dampness.



**Secure locking**  
Recessed grip for manually operated doors. Special lock with inside espagnolette bolts.



**Sliding bolt**  
For operation from the inside to close manually operated doors.



**Low-noise operation**  
Robust roller brackets made of galvanized steel and ball-bearing runners ensure that our doors run quietly and are durable.



**Bottom bracket**  
For the bearer cable featuring integrated slack rope switch. Slight adjustment of door level at the bottom bracket (without spring shaft adjustment).

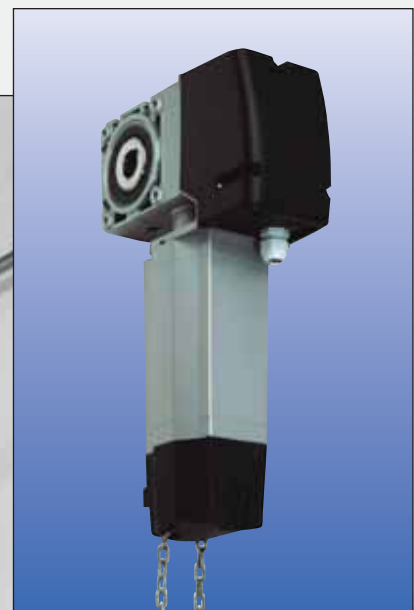
# Modern Drive Technology

## FOR PERMANENT APPLICATION

Teckentrup drives are characterized by their robust mechanics, efficient motors and intelligent control units. All the system components are perfectly harmonized and tested for permanent use in the

harsh conditions. The robust drive shaft installed in a single aluminium diecast housing ensures excellent strength and stability. The perfect alignment of the special motor and gear mechanism

reduces the required space to a minimum and guarantees maximum force even in confined spaces.



... AND THE PERFECT SOLUTION EVERY TIME

**The particular benefits**

- To enable quick and easy installation, the frame and drive unit are pre-assembled in one single unit and the control unit pre-wired.
- Manually operated doors are fitted with the necessary features to ensure easy retrofitting for use with electric drives.

Operation via geared chain hoist for doors without drive unit.



Standard feature: Our shafts protrude on both sides to enable a drive to be retrofitted if required.



# High-Quality Control System

## HIGH-TECH SYSTEM COMPONENTS

Various control systems are available to suit every application. Pre-assembled components and special accessories enable fast and

uncomplicated installation. The pre-wired control unit only has to be connected via the CEE plug to the mains supply provided by the

customer. The cable conduit between the control unit and drive is supplied as standard.



**Standard control AS 100 deadman**  
Cost-effective automation with limit switches built into the motor drive (application: e.g. occasionally used hall doors).  
**AS 210 control unit**  
Compact control unit for deadman or pulse operation, with limit switches built into the motor drive (application: e.g. automatic door systems and warehouses).

**Both control units include 2 floating limit switches in the motor drive.**



**CS 300 pulse comfort control unit**  
Microprocessor control unit with absolute encoder-evaluation. Simple but secure programming via 3-button navigation at the LCD monitor with multi-language plain text display, optional red-green "traffic light" indicator for door status messages, with optical warnings (application: e.g. underground car parks, car repair garages).  
Also available as **CS 300 pulse FC**:  
With frequency converter control unit. Soft start-up and soft stop (application: e.g. high-speed sectional doors).



**MS 410 two-way traffic control unit**  
Microprocessor control unit with absolute encoder-evaluation (setting, maintenance, error diagnosis). Programming via 3-button navigation at the LCD monitor with multi-language plain text display (application: e.g. underground garages with lane control and roller grille with roll-up safety device).

**The CS 300 and MS 410 control units have floating limit switch signalling.**

## Intelligent Control Unit – Increased Efficiency –

For the CS 300 pulse the drive unit is equipped with an absolute encoder which acts as an end limit sensor. This means that programming of the limit switches can occur directly via the control unit display.

Awkward setting at the drive is no longer necessary.

Simple programming of the limit switches. Setting occurs directly at the control unit.



# Convenient Operation

## INDIVIDUAL EQUIPMENT

Modern operating elements provide additional convenience for electrically controlled door systems. The door is simply operated via a handheld transmitter. Triggering can also occur via safety photo cells, induction loops, radar motion detectors, etc..



"Mini" 2-channel handheld transmitter



"Mini" 4-channel handheld transmitter



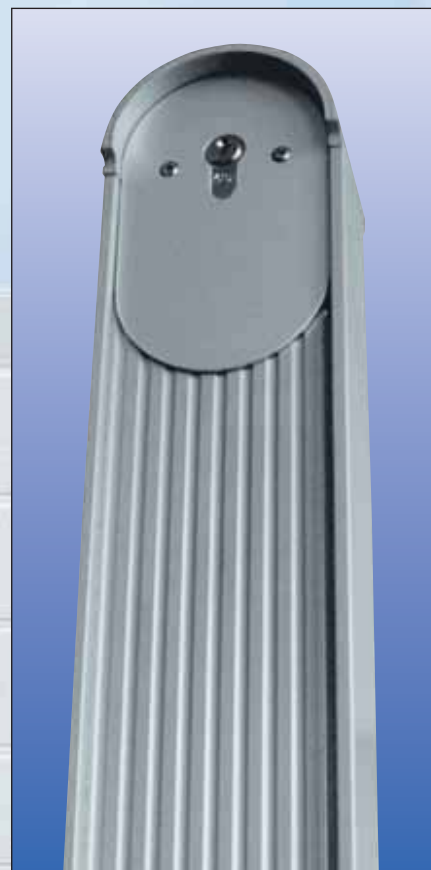
## Increased Convenience

Easy installation thanks to pre-wired control units.



**Key-operated switch**  
An external key-operated switch can be used to operate the door instead of a remote control.

**Column**  
Made of anodized aluminium with an integrated key-operated switch.



# Complex requirements

## WITH INDIVIDUAL SOLUTIONS

### Customized fire escape doors

In buildings used by large numbers of people, Teckentrup sectional doors are an integral part of the fire escape and smoke removal system. In the event of fire, if a fire escape door opener is triggered, the doors are immediately raised to allow the smoke to escape from the building. In this way, people can leave the building unhindered.



SW sectional door used as fire escape door.






SLW sectional door with sloping bottom section.

### Adaptation to any given structural conditions

Nothing is too complicated for the highly flexible Teckentrup sectional doors. Uneven floors? No problem. The lower door sections are simply cut to fit the actual floor slope.

# Types of door and technical data

	SW	SL	SLW
			
<b>Design</b>			
Self-supporting	■	■	■
Construction depth in mm	40	40	40
<b>Door dimensions</b>			
Max. width	7 800	7 250	7 250
Max. height	6 000	6 000	6 000
<b>Spatial requirements</b>			
See installation data	■	■	■
<b>Door leaf, material design</b>			
Steel 40 mm	■	—	■
Aluminium	—	■	■
<b>Door leaf, surface finish</b>			
Galvanized steel, with protective top coat	■	—	▲
Galvanized steel, RAL 9002 or 9006 coating	■	—	■
Galvanized steel, chosen RAL or NCS coating	■	—	■
Anodized aluminium, E6-EV1	—	■	■
Coated aluminium, choice of RAL colours	—	▲	▲
<b>Door leaf, weight</b>			
Kg/m <sup>2</sup>	approx. 12	approx. 12	approx. 12
<b>Wicket door</b>			
With threshold	▲	▲	▲
<b>Side door</b>			
In same design as door leaf	▲	▲	▲
<b>Glazing</b>			
Sandwich glazing type A	▲	—	—
Sandwich glazing type B	▲	—	—
Sandwich glazing type C	▲	—	—
Aluminium glazing frames	▲	■	■
<b>Seals</b>			
Continuous seal on 4-sides	■	■	■
Intermediate seal between sections	■	■	■
<b>Locking systems</b>			
Inside locks	▲	▲	▲
Outside / Inside locks	▲	▲	▲
<b>Safety features</b>			
Finger pinch protection	■	■	■
Lateral hand protection	■	■	■
Spring break protection for manual operation	▲	▲	▲
<b>Installation basis</b>			
Concrete	■	■	■
Steel	■	■	■
Masonry	■	■	■
Others upon request	▲	▲	▲

■ = standard ▲ = optional

# All-round service

... FROM PLANNING TO  
INSTALLATION AND MAINTENANCE WORK



Besides guaranteeing first-rate product quality and flexibility in the development of customized solutions, Teckentrup also provides a comprehensive customer service. Whether it is planning and consultation, on-site customer care by field staff, fast and comprehensive delivery, or product and installation support courses, customer satisfaction is always top of the list of Teckentrup's priorities.

Our service for mandatory maintenance. We inform you of any upcoming inspection dates.



Improve your planning with our comprehensive installation data. Available at your request.

# Flexibility

... FOR TRANSPORT AND INSTALLATION

A modern enterprise should boast a high degree of flexibility right down to the very last detail. And Teckentrup is no exception. Because at Teckentrup even the logistic possibilities are compliant with the image of a contemporary "full-service enterprise".

In fact, fast and intelligent transport logistics and easy installation are all part and parcel of our service.



Pre-assembled frame and spring unit for easy installation.



Secure transport packaging and efficient logistics for fast and reliable delivery.

# Teckentrup industrial doors for all your requirements

## WE OPEN THE DOORS FOR PROGRESS

Teckentrup was established in 1932 and has since become one of the largest manufacturers of doors and door systems in Europe, with production plants in Verl-Sürenheide (Administrative HQ) and Großzöberitz.

More than 15 locations in Germany plus other partners in Europe and overseas form an economic infrastructure that leaves nothing to be desired in terms of flexibility and customer care.

From the conceptual stage to innovation, the design stage to production, at Teckentrup, everything happens "under one roof".

Motivated and committed employees, the very latest CAD systems and computer-controlled production systems are the keys to a secure future.



Sectional doors



Roller shutters



Folding doors



Multi-purpose sliding doors



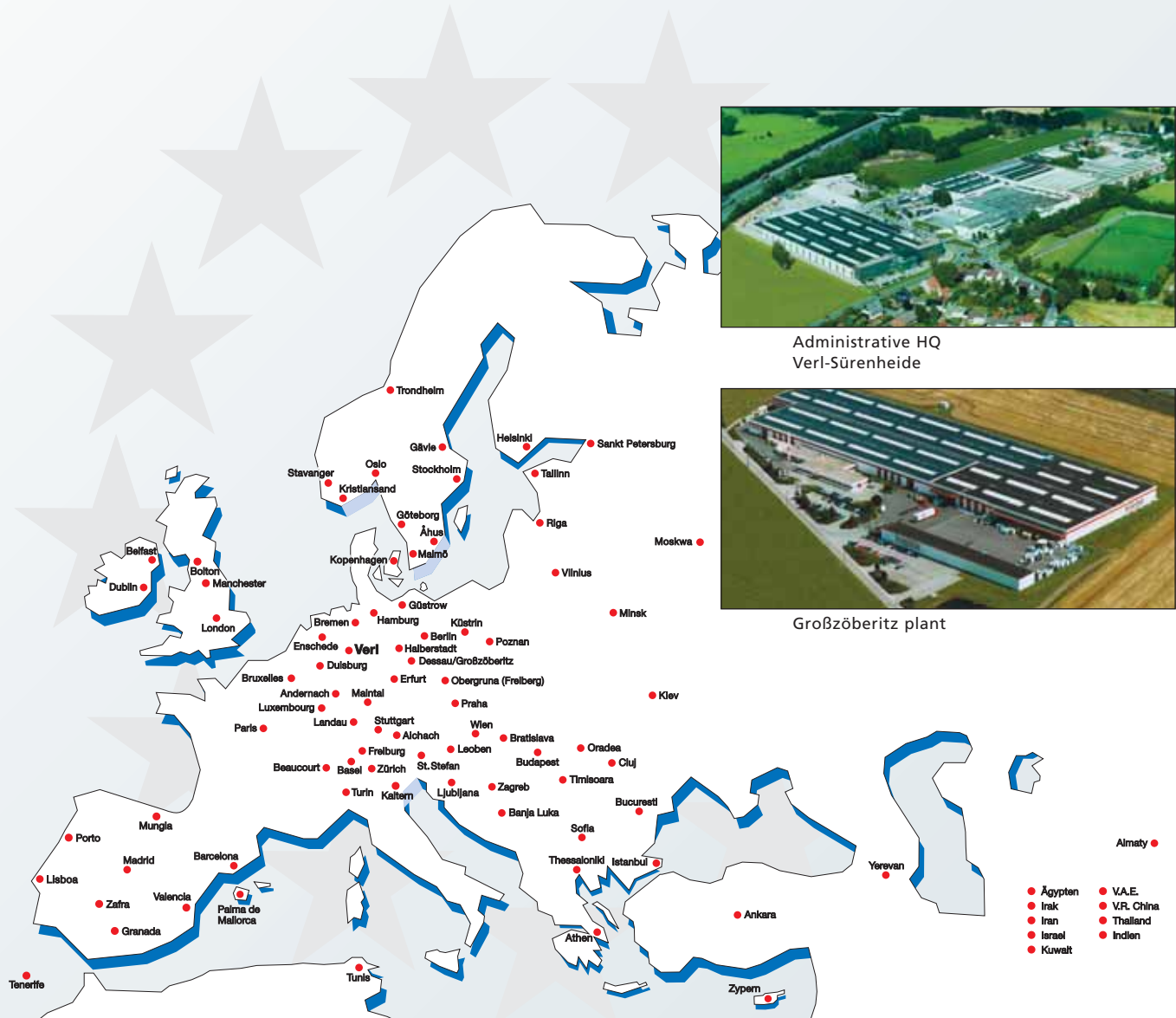
Fire doors



High-speed sheet doors

# European scope...

... WE DON'T LET OUR CUSTOMERS DOWN



Internet: [www.teckentrup.biz](http://www.teckentrup.biz)



Subject to technical modifications.  
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All illustrations contained in this brochure are solely intended to highlight individual product features and may therefore not necessarily be identical with the standard product version.

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