

# Function and design. Industrial sectional doors.



## Reliable and durable

Now with even more variety

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Teckentrup – in the market for more than 80 years – is one of Europe's leading suppliers of doors and gates for industrial and commercial applications. Depending on the application, we offer high-quality industrial sectional doors for the project requirements „economic efficiency“, „light arrangement“ and „thermal insulation“ – bespoke and from one source.

Large construction projects are faced with enormous cost pressure. This is why all of our products are embedded in a concept for process optimisation in industrial construction: We can support you with consultation and planning services, we provide just-in-time deliveries if required, we place great emphasis on easy installation and we are also there to help you at any time during the construction phase by providing solutions at short notice: Quality „Made in Germany“.

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Industrial sectional doors? In safe hands with Teckentrup.

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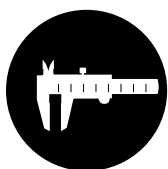
Kai Teckentrup  
Director / Owner



Meinolf Funkenmeier  
Director



Jörg Vogelsang  
Director



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MADE IN GERMANY

# **Industrial doors.** **In safe hands with Teckentrup.**









### Function and design

The industrial sectional doors from Teckentrup are configured in the optimum manner for commerce and industry. They are robust, equipped with tried & tested technologies and fulfil all normative requirements. But functionality and reliability are one thing.

Our products are also developed from a design perspective and blend harmoniously into the overall architectural style. The industrial sectional doors from Teckentrup give planners and architects more freedom in design.

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## Your product overview.

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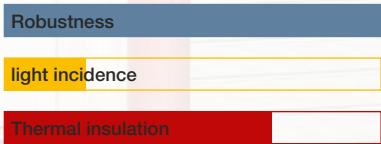
Industrial sectional doors

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from page 20

Cost-effectiveness / robustness



**SW 40**

The double-skin industrial door made from 40 mm steel panels can be additionally combined with 40 mm aluminium light sections.

## Your direct way to the door. User compass.

Which door for which project requirement? Discover our broad sectional door spectrum with our user compass.

from page 26

**SL 40**  
**SLW 40**  
**SLX 40**

Industrial doors that allow light into the interior and that have an elegant external appearance.

Robustness

light incidence

Thermal insulation

Styling / light incidence



from page 36

**SW 80**  
**SL 80**  
**SLW 80**

Industrial doors with 80 mm thickness are particularly energy-efficient. They can also be combined with 80 mm aluminium light sections.

Robustness

light incidence

Thermal insulation

Energy-efficiency / thermal insulation







Purpose and place of utilisation, dimensions, design, type of fittings, incorporation into the building's control systems – with respect to industrial sectional doors, many questions need to be clarified before a construction

project commences. Please get in touch with us in good time. We can help you to efficiently handle your projects with extensive consultancy and planning services.

## **7 good reasons for an industrial sectional door from Teckentrup.**

For many decades, Teckentrup has been helping to shape the development of industrial doors. Today, we also offer many convincing product advantages which will make your decision easier.

7 good reasons for an industrial sectional door from Teckentrup.



## 01 Design variety

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A practically endless selection of RAL and other colour tones, mullioned and mullion-free glazing, door panels with different surfaces – together with us, planners can implement their design ideas without compromise.



## 02 Wicket door with a low threshold

The almost flush-mounted wicket door of our industrial sectional doors has an extremely low threshold. With its 23 mm it allows every kind of trolley through without problem.

In addition, the integrated finger-pinch protection provides a harmonious design and door leaf surface.



## 03 Comfortable operation

Extremely robust, also well visible at night and as clearly laid out as they are clearly marked: our control elements are easy and comfortable to operate.



Endless possibilities

04



## 05 Intelligent thermal insulation

Even as standard, the lateral frame seal provides a secure thermal closure in the transition area between the frame and the wall edge. This increases the thermal insulation performance of the door and saves energy and cost.



## 06 Professional aids

You can access and make use of tender specifications in various formats (such as e.g. GAEB, Excel or Word) online at [www.teckentrup.biz](http://www.teckentrup.biz).



You can find an extensive selection of downloads here.





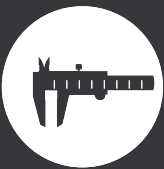
## 07 Quality „Made in Germany“

Established over 80 years ago in eastern Westphalia, the company has also been manufacturing since 1990 in Großöberitz (Saxony-Anhalt).

All industrial sectional doors comply with EN 13241-1.



diversity charter 



MADE IN GERMANY

With more than 900 highly qualified employees at our sites in Verl and Großöberitz, we stand for product development and manufacture that is „Made in Germany“. We only use first-class materials, we ensure precise production with highly-modern machinery and we carry out continuous quality examinations within the framework of our quality management structure in accordance with DIN EN ISO 9001.

In 2012 we established an integrated management system with the elements Environment (DIN EN ISO 14001), Energy (DIN EN ISO 50001) and also Occupational Health and Safety (BS OHSAS 18001). In this way, you can count on sustainable production and a particularly high standard of occupational health and safety.

# At home in Europe. International competence.

There is a good reason for Teckentrup's leading position in Europe: we have been active in the widest variety of markets for many years and we know their particular requirements very well. Teckentrup industrial sectional doors fulfil all safety aspects with respect to mechanical requirements, safety of use thermal insulation, acoustic insulation, leaktightness and wind loading in accordance with European standard EN 13241-1. Irrespective of the country in which you are active – we will accompany you everywhere.

We combine quality „Made in Germany“ with European competence to produce an unbeatable advantage: wherever you plan your project, you can trust in the capability of one Europe's leading manufacturers of high-quality doors and gates.



# Naturally build safely.



The responsible use of natural resources is important to us. For this reason, we will support you with your ecological and sustainable construction projects. This is why all of our products are certified in accordance with the Environmental Product Declaration (EPD). A seal of quality which supplies all information on the lifecycle and ecological assessment for the current building certification systems.



## DGNB

Deutsche Gesellschaft für  
Nachhaltiges Bauen e. V.  
(German Sustainable Building Council)

## BNB

Bewertungssystem  
Nachhaltiges Bauen  
(Evaluation System  
for Sustainable  
Construction)

## LEED

Leadership in Energy  
and Environmental Design

## BREEAM

Building Research Estab-  
lishment Environmental  
Assessment Methodology



## We live environmental protection

Within their own environment, more and more people are paying attention to the environmental friendliness of products. A requirement that will continue to increase for construction products. We have prepared ourselves for this development in good time.



You can find  
more information  
here:



The company has committed itself to sustainable production with the introduction of an environmental and energy management system. As such, among other things, our company objectives include:

- avoidance of damage to human beings and to nature and determination, evaluation and reduction of potential hazards,
- replacement of environmentally harmful substances with more environmentally-friendly alternatives,
- to always protect the life and health of each individual,
- to avoid waste materials, to effectively separate unavoidable waste material and properly dispose of it,
- to use energy as efficiently as possible.

# The customer in focus

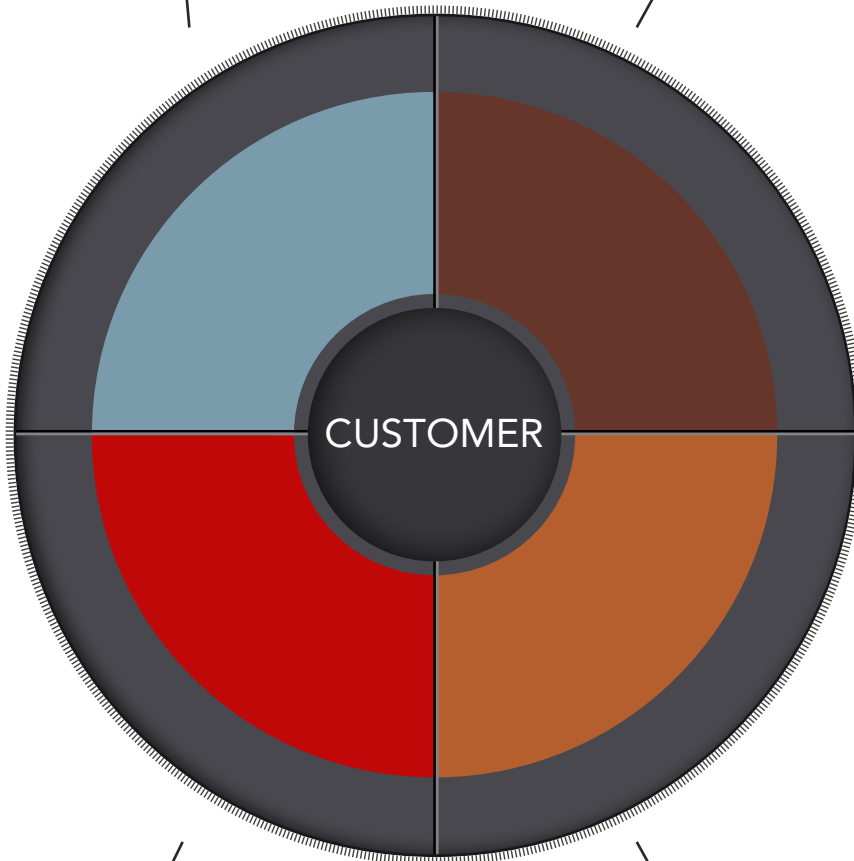
## All-round service.

### PROPERTY CONSULTATION

- Measurement / calculation aids in property consultation and processing
- Tender specifications and technical data online
- A field staff contact for all products

### OFFER / ORDER PROCESSING

- Configurators with price calculation
- Timely and property-specific delivery
- Clear and simple order forms



### AFTER-SALES

- Maintenance / servicing
- Short reaction times for repairs
- Spare parts service

### SERVICE

- Project-specific logistics
- Central technical hotline
- Targeted assembly and sales seminars
- Flexible customer service
- Individual marketing support



Service is more and more important in property construction to ensure crucial efficiency advantages in every phase of a project. We offer diverse supporting services that can open the way to more economic efficiency for you – from property and product consultancy and order processing right up to after-sales service.



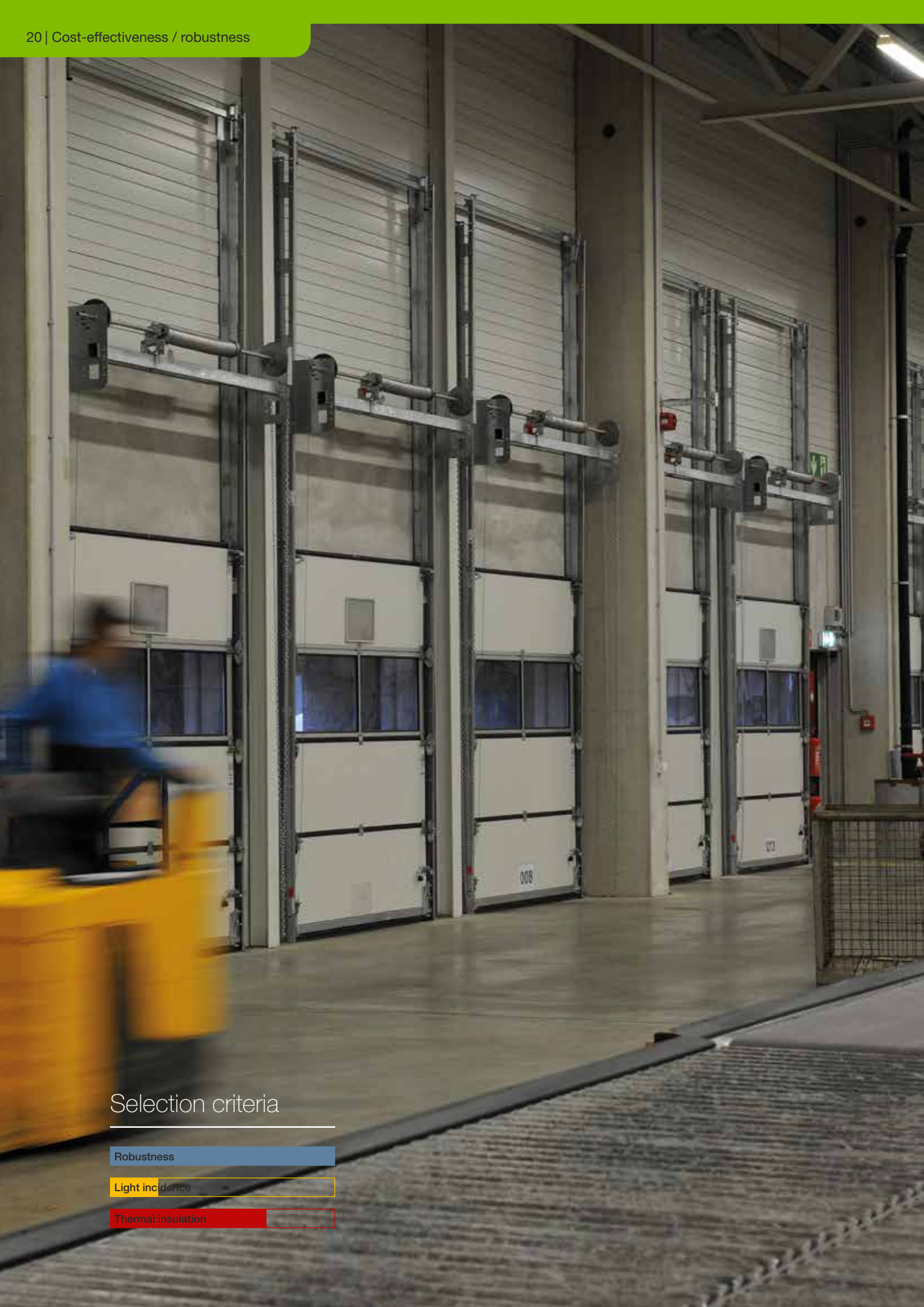
## Online configurator

Who else has this? The new Teckentrup industrial door configurator makes dimensioning and configuration as easy as child's play for all specific construction specifications. Click for click, the right sectional door is defined – size, style, fittings, control, drive...



Try it out now  
and configure...





Selection criteria

Robustness	
Light incidence	
Thermal insulation	



The SW 40 door type is primarily suited to use in a harsh environment and is distinguished by its robust construction. In many construction objects, an economic solution is

paramount – the SW 40 lends itself perfectly to this application. Diverse configuration options with glazing, colour, etc. are optionally available.

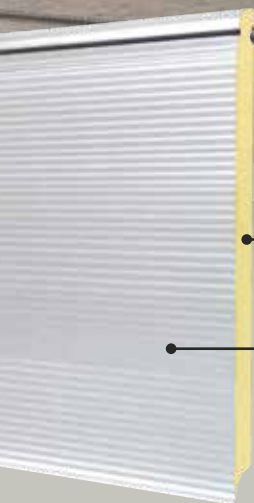
## Cost-effectiveness / robustness. SW 40.

The SW 40 industrial sectional door is based on a double-skin, 40 mm thick door leaf construction. As standard, it is equipped with a special PU hard foam core. Utilise these advantages for the planning of e.g. logistics and production buildings, agricultural units, etc.



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STABLE &  
THERMAL INSULATING



Highly-rigid PU hard foam  
Heat-insulating

#### Surface

- Outer micro-ribbed, inner stucco-patterned
- As standard with base coat on both sides in many standard colours or other „colour tones“ in accordance with RAL or NCS, see page 24.

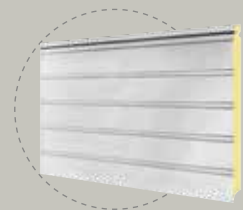
## Styles



Without ribs  
micro-profiled



Rib  
micro-profiled



Rib  
stucco

## Surfaces



micro-profiled



stucco

# Sectional door

## Type SW 40

The broad colour palette and many glazing variants allow optimum visual matching of our industrial sectional doors to the building facade. But the harmonious interplay of different colour tones is also possible.



RAL of your choice



Irrespective of which facade configuration you plan – our industrial sectional doors fit in harmoniously in all cases. This is ensured by a broad spectrum of 200 RAL colours\*, with which you will always set the right tone.

Selected standard colours



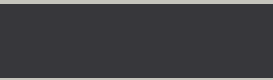
Blazing red  
RAL 3000



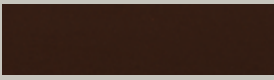
Moss green  
RAL 6005



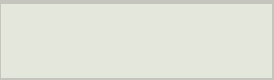
Fir green  
RAL 6009



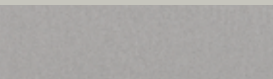
Anthracite grey  
RAL 7016



Sepia brown  
RAL 8014



Grey white  
RAL 9002



White aluminium  
RAL 9006



Grey aluminium  
RAL 9007



Traffic white  
RAL 9016

Glazing / grilles



Frame profile with  
SAN double glazing  
20 mm.  
Other glazing and  
fillings on page 34



Section with sandwich  
glazing,  
Type A (rectangular)



Section with sandwich  
glazing  
Type B (rounded)



Section with  
ventilation grille

\* all colours in keeping with the  
respective RAL colour tone.



## Other optional design possibilities

Take advantage of our broad spectrum of surfaces from the CarTeck garage door sector and give your new industrial sectional door even more individuality.



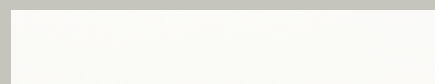
Rib

Centre rib

Without ribs



Surface  
woodgrain



Surface  
smooth

## Wooden decor



Wooden decor  
Golden Oak



Wooden decor  
Dark oak



Wooden decor  
Mahogany



Wooden decor  
Winchester



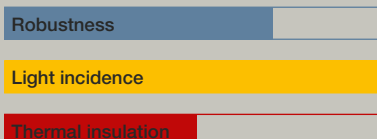
Daylight plays a large role in working areas which are in constant use. Glazed industrial sectional doors provide a bright, friendly working atmosphere. Increase light incidence into

the building and thus simultaneously reduce energy costs with the SL 40, SLX 40 and SLW 40 industrial sectional doors.

## Styling / light incidence. SL 40 | SLW 40 | SLX 40.

The SL 40, SLX 40 and SLW 40 industrial sectional doors offer the widest selection of options for light arrangement. With the various window elements and steel sections, all industrial doors can be individually tailored to the requirements of the building occupant. They also accentuate the aesthetics of the facade configuration with their delicate styling.

### Selection criteria



### RAL of your choice

Irrespective of the facade configuration you are planning – our industrial sectional doors fit in harmoniously in all cases. This is ensured by a broad spectrum of 200 RAL colours, with which you will always set the right tone.

Warenannahme

# Sectional door

## Type SL 40

# Sectional door

## Type SL 40



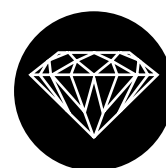
## Aluminium frame profile

40 mm thick  
with different fillings



The Teckentrup Type SL 40 sectional door with aluminium frame profile and glazing elements is extremely light-permeable and gives every hall an elegant style.

The high light incidence provides a good working environment. Alternatively, other fillings can be placed in the frame construction.



SCRATCH PROOF

## Makes halls light and friendly



Clean door solution: Type SL 40 in a wash hall



Type SL 40: Equally attractive on the inside as on the outside.

# Sectional door Type SLX 40



**Aluminium frame construction:**  
Made from aluminium tubular profiles E6 / EV1

**Glazed panels:**  
Max. frame height 750 mm,  
As standard with scratch-resistant  
20 mm plastic double glazing

**Surface:**  
In anodised aluminium E6 / EV1 or with  
high-quality powder coating in RAL or NCS  
tones.  
• High scratch and impact resistance  
• Corrosion-proof



SCRATCH PROOF

## Elegant transparency



The SLX 40 industrial sectional door is first choice when maximum light incidence and modern, light-orientated architectural concepts are required. The elegant transparency provides the right frame for the presentation of high-quality lifestyle products such as cars or motorhomes, yachts and boats. The high aesthetic standard of the door is also the reason that it is being used more and more in shopping arcades to present high-quality products.

The doors are available without vertical mullions up to a width of 3,250 mm – above 3,250 mm they are fitted with a vertical mullion.



In the industrial sector, SLX doors even support the transparency of working processes.

Large glazed panels without interruption – up to 3250 mm



# Sectional door Type SLW 40



## Aluminium frame construction:

Made from aluminium tubular profiles E6 / EV1

## Glazed panels:

Max. frame height 750 mm, standard 20 mm double glazing. Optionally available as scratch-resistant type. If required, other fillings possible

- Textured glazing
- Expanded screen
- ISO panel
- Perforated panel (see page 34)

## Surface:

External surface micro-profiled, internal surface in stucco design. As standard with base coat on both sides in many standard colours or other „coloured tones“ in accordance with RAL or NCS (see page 24)





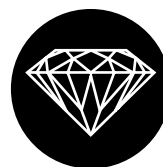
Robust sectional steel base and a generous light area from an elegant frame construction – no question: The SLW 40 industrial sectional door effortlessly combines different requirements. In this example, the door integrates itself into a compelling overall design of the facade.



In everyday industry, Type SLW 40 doors persuade with their secure function and large amount of light incidence.

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Combination of cost-effectiveness and light incidence



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SCRATCH PROOF



Now even more scratch-resistant: the new glazing

## Glazing-clear advantages. Glazing options.

Frame profile with  
KS double glazing 20  
mm.



50 % higher thermal  
insulation due to  
5-chamber multi-skin  
sheet

Scratch-resistance improved by up to 20 % together with improved light permeability – this is made possible by the new plastic glazing (KS) from Teckentrup.  
For this reason we install them as standard in our industrial sectional doors. But even with respect to acous-

tic insulation, impact resistance and protection from yellowing, the plastic glazing exhibits substantially improved values. For industrial doors which are subject to particularly high mechanical loads, in addition to the standard glazing we offer glazing that has a maximum degree of scratch-resistance.

### The new 5-chamber multi-skin sheet

- Excellent  $U_D$  value of  $2.56 \text{ W/(m}^2\text{K)}$  (in the case of a installed door of e.g.  $5 \times 5 \text{ m}$ )
- 20 mm thick with hollow chambers
- Very lightweight and impact resistant
- More robust than conventional glazing
- Privacy shield with simultaneous light permeability of 59 %
- Highly effective protection against weather
- Suitable for all sectional doors

## For light and air



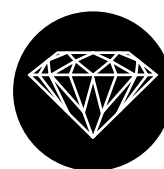
Frame profile with  
KS triple glazing  
20 mm



Frame profile with  
double glazing  
20 mm, satinised on  
the outside



Frame profile with  
SAN double-glazing  
20 mm external crystal  
structure



SCRATCH PROOF\*



Frame profile with KS dou-  
ble glazing 20 mm – brown  
tinted Light permeability:  
approx. 50 %



Frame profile with KS dou-  
ble glazing 20 mm – green  
tinted Light permeability:  
approx. 70 %



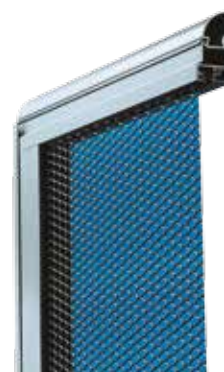
Frame profile with KS dou-  
ble glazing 20 mm – grey  
tinted Light permeability:  
approx. 43 %



Frame with ISO panel



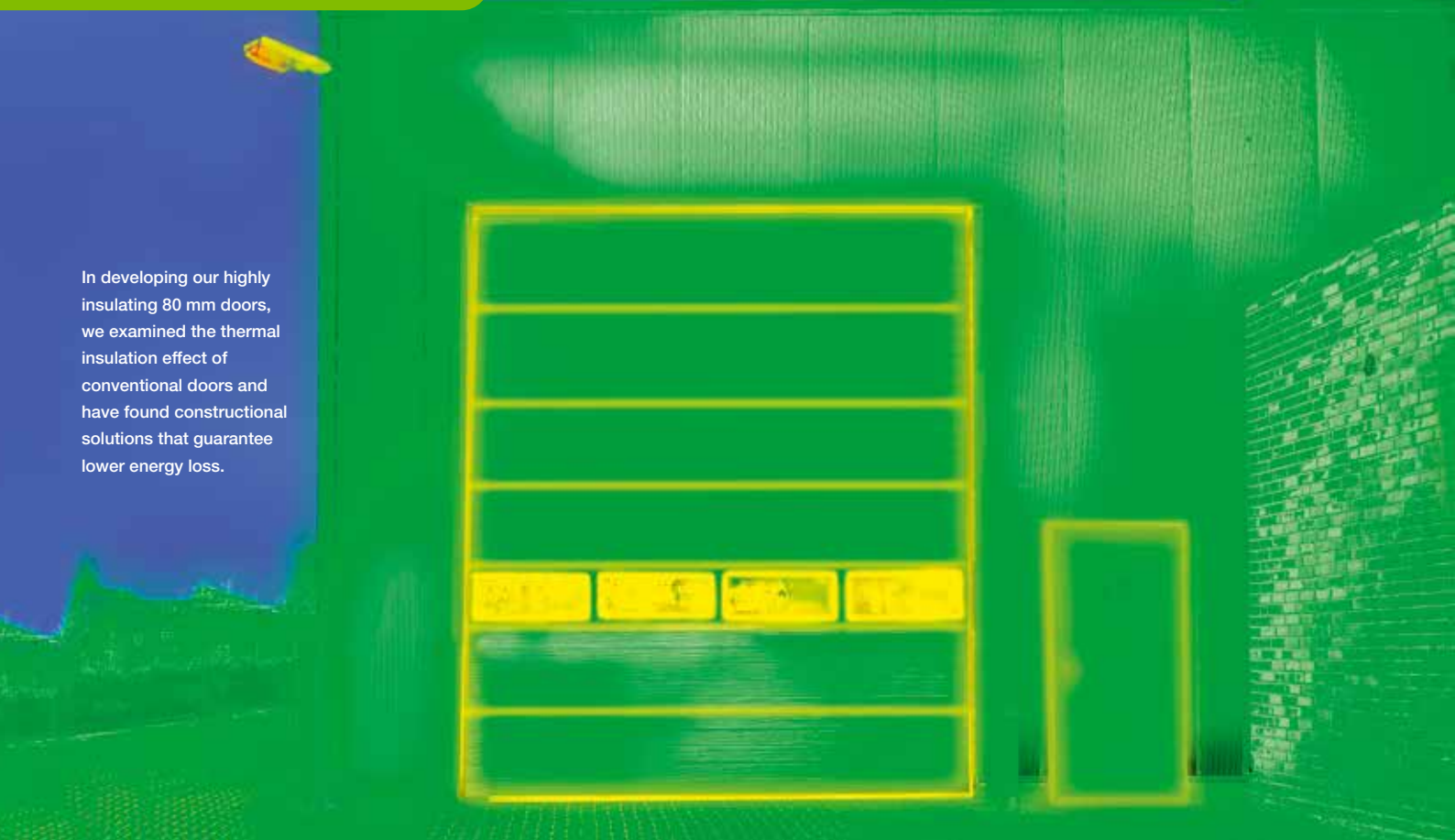
Perforated aluminium  
panel, free ventilation  
cross-section:  
approx. 44 %



Frame profile with ex-  
panded screen V2A, free  
ventilation cross-section:  
approx. 60 %

\*Optional

In developing our highly insulating 80 mm doors, we examined the thermal insulation effect of conventional doors and have found constructional solutions that guarantee lower energy loss.



### Thermal separation of the panels

Our products attain a high degree of thermal effect by combining many constructive features: The double-skin, 80 mm thick steel panels are coated with highly-insulating polyurethane (PU) foam and are thermally separated.

In addition, the door leaf is equipped with a rot-free double seal. In this way, they achieve an extremely low  $U_D$  value of  $0.58 \text{ W}/(\text{m}^2\text{K})^*$ . A quality that effectively minimises cold or heat losses and tangibly reduces energy costs.

\* based on a closed SW 80 door of size 5 metres x 5 metres.



### RAL of your choice

Irrespective of the facade configuration you are planning – our industrial sectional doors fit in harmoniously in all cases. This is ensured by a broad spectrum of 200 RAL colours, with which you will always set the right tone.



Continuously increasing requirements for energy efficiency (e.g. in accordance with the Energy Saving Ordinance, EnEV) demand improved insulation values and performance characteristics not only from the facades but

also from the large industrial doors. Here, the 80 mm doors from Teckentrup offer optimum solutions such as e.g. the excellent  $U_g$  value of the Type SW 80 of  $0.58 \text{ W/(m}^2\text{K)}^*$  with wind loading up to Class 4 (approx. 144 km/h).

# Energy efficiency / thermal insulation. SW 80 | SL 80 | SLW 80.

The SW 80, SL 80 and SLW 80 industrial sectional doors have a door leaf thickness of 80 mm. Hence they are the first choice in all sectors that require high-quality thermal separation, such as e.g. cold stores and warehouses for food storage. With the new Types SL 80 and SLW 80, Teckentrup now brings the thermal insulation door with glazing elements onto the market. Take advantage of the new combination options of light incidence and thermal insulation.

## Selection criteria

Robustness

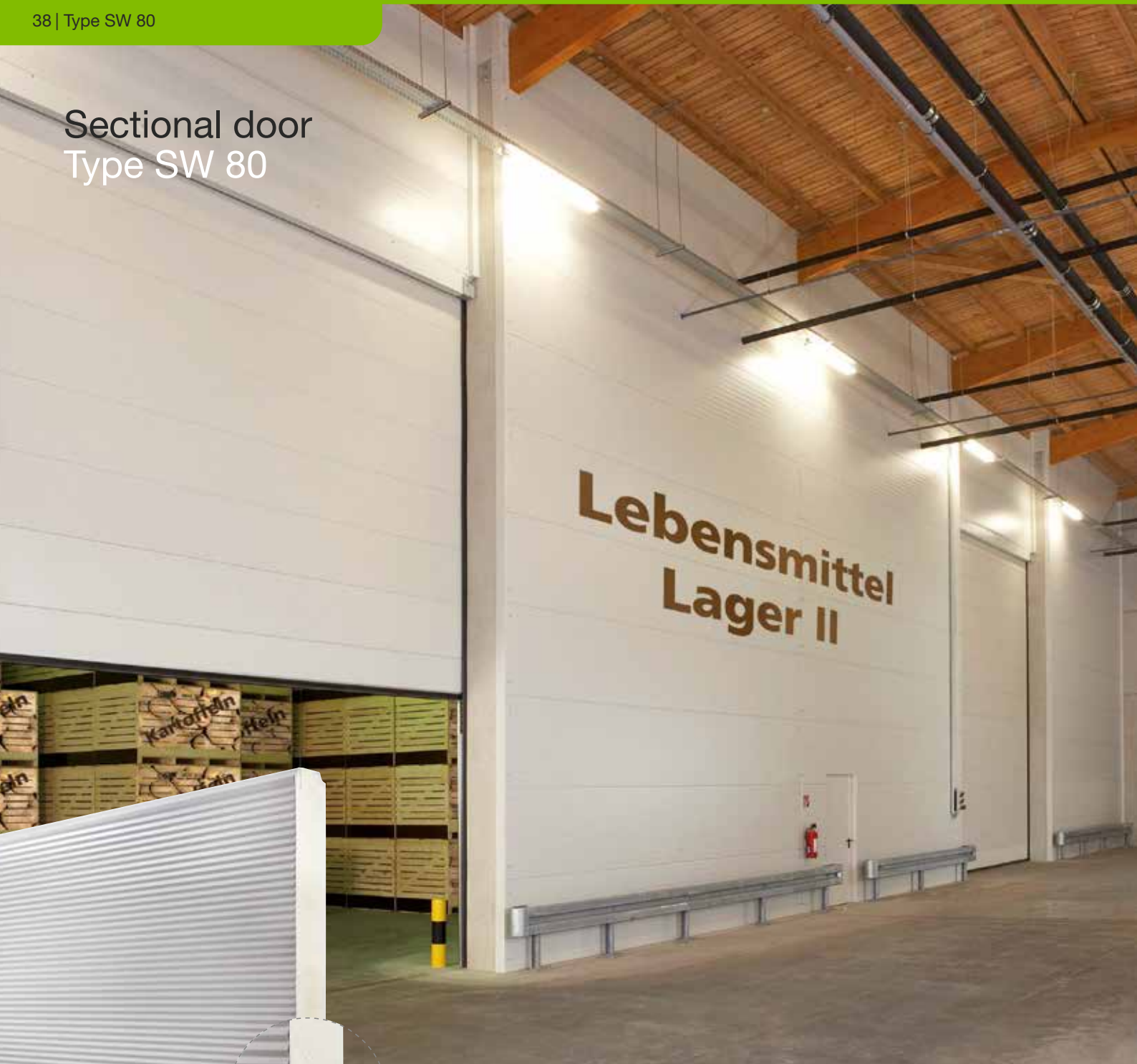
light incidence

Thermal insulation

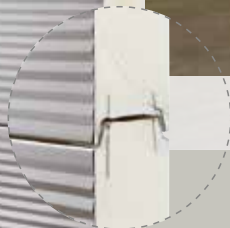


STABLE &  
THERMAL INSULATING

## Sectional door Type SW 80



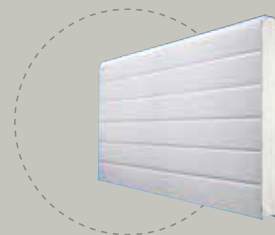
### Thermal separation



Highly insulating PU hard foam

#### Surface:

- Outside without bead, micro-profiled, inside horizontally lined and stucco-designed.
- Optional: outside and inside horizontally lined and stucco-designed.
- As standard in grey white (similar to RAL 9002), optionally also in all RAL colours.



Styling:  
horizontally lined  
stucco

## Optimum thermal insulation

The combination of thermal separation of the sections and the double seals provide maximum thermal insulation. Hence the door is suitable e.g. for cool stores and warehouses for the food storage industry, as the energy requirement for constant hall temperature is a very high requirement.



### Double side seal

Among other things, the high insulating effect is obtained via the double side seals between the frame and the door leaf.



### Bottom seal

Rot-proof bottom seal made from non-freeze EPDM rubber profile smoothes out floor unevennesses and protects from cold and damp.



### Top seal

This securely closes, seals and insulates the door across its full width at the lintel.

## Optimum supplement: Highly insulating glazing



Thermally separated aluminium frame with triple glazing



Section with sandwich glazing, triple

If required, we can also supply the SW 80 with glazing elements. To this end, highly insulating triple or quadruple glazing elements are used. Optionally also available in extremely scratch-resistant variant.



SCRATCH PROOF

# Sectional door Type SLW 80



**Aluminium frame construction**  
made from thermally separated profiles E6 / EV1  
Optionally with high-quality powder coating in  
RAL or NCS tones.

**Glazed panels:**

- Max. frame height 750 mm,
- As standard with 43 mm triple glazing.
- If required also with quadruple glazing.
- Optionally available in scratch-resistant variant.

**Surface:**

- Outside micro-profiled, inside stucco-designed.
- With base coat on both sides in many standard colours or other „colour tones“ in accordance with RAL or NCS
- Optionally available in scratch-resistant variant.



# Sectional door Type SL 80

Inside warm, outside beautiful



**Aluminium frame construction**  
made from thermally separated profiles E6 / EV1  
Optionally with high quality powder coating in  
RAL or NCS tones.

**Glazed panels:**

- Max. frame height 750 mm,
- As standard 43 mm triple glazing.
- If required also with quadruple glazing.
- Optionally available in scratch-resistant variant.

Implementing efficient thermal protection and at the same time utilising the many possibilities of lighting design – this is made possible with the SL 80 industrial sectional door. For the glazing convinces with its very good thermal insulation values and yet has a delicate appearance.



TÜV also builds upon the aesthetic door solutions from Teckentrup.

## Secure, fast, reliable. Fire brigade doors.

If the worst comes to the worst, speed is of the essence. This is why our doors which are designed specially for use by fire brigades attain opening speeds of at least 25 cm/s. Real sprinters that fulfil all requirements of fire brigade doors set out in DIN 14092.





## Reliable operation with long lifespan

At this fire station, 47 sectional doors provide smooth operation. Incorporated in the rescue concept, they guarantee rapid deployment of the emergency vehicles at all times.



Among other things, the door and fittings concept is individually adapted to the vehicle types.

If required, the control systems can be fitted with traffic lights. This means that nothing stands in the way of smooth operation.

In cooperation with intelligent control systems, the Type TAS 1 / TAS 2 drives provide a 'soft' start and stop function. Material-friendly door movements which guarantee secure operation with long lifespan. In the event of power loss, the doors can be rapidly opened manually via an unlocking system.



## Free passage. Wicket doors.

The right wicket door with low threshold for all 40 mm doors

In the event of high temperature gradients, substantial amounts of heat are lost every time a door is opened. This is why wicket doors make an effective contribution to energy saving and environmental protection. Teckentrup offers wicket doors with a low threshold of 23 mm. This

allows trolleys and other transportation means through without problem. The wicket door fits harmoniously into the door leaf due to its integrated finger-pinch protection and narrow profile geometry.



23 mm high threshold made from high-quality, robust aluminium, anodised (E6 / EV1).  
With flexible bottom seal made from rot-proof EPDM.



#### Facts about the wicket door:

- End profiles made from aluminium E6 / EV1
- Optionally available in the door leaf colour
- Threshold heights: 23 mm, 85 mm or 200 mm
- As standard, all wicket doors include slide rail door closers
- Additional equipment: electric door opener, magnetic contact, latch contact, etc.



Minimum threshold for unhindered access.



#### Leading light barrier for maximum safety

When closing the door, two optical sensors installed in the bottom section detect encountered obstructions before contact is made. This preceding light barrier effects immediate opening of the door. The safety edge fulfils the requirements of safety category E. At the same time, this replaces an additional safety light barrier in the thoroughfare area.

## Same styling. Side doors.

Uniform styling due to matching appearance

Side doors fit harmoniously into a uniform design concept. They are equipped with a three-sided double buffer seal and a slide seal in the threshold area. If

required, a broad spectrum of further types are also available to you. These include panic fittings, door closers, electric attachments and much more.





#### Facts about the side door:

- Door frame made from extruded aluminium profiles, surface E6 / EV1
- As standard, filled with panels of Type SW 40
- Optionally with sandwich glazing, aluminium light strip (SL 40)
- Optionally in RAL of your choice
- Optionally with upper casing in door styling
- Also as 2-leaf side door
- Incorporation into escape route concepts (panic fittings)
- Additional equipment: electrical door openers, triple locking, upper door closers, etc.

Sectional door SW 40 with side door, surface micro-profiled.



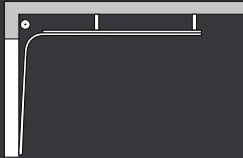


## For all structural conditions. Industrial door fittings.

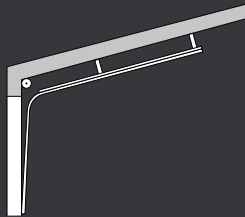
High or low headroom, flat or pitched roof – the fitting systems from Teckentrup are as variable as the structural conditions on site. And if technical installations such as e.g. a crane track have to be circumvented, this is also possible without problem.



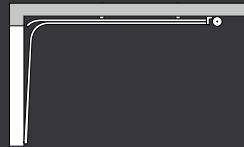
## Fitting variants



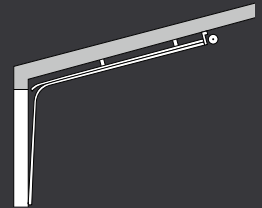
Normal fitting



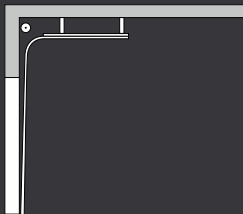
ND: Normal fitting following roof line (max. 30°)



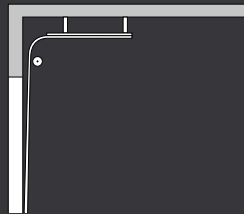
NSH: Low-headroom fitting with rear-mounted spring shaft



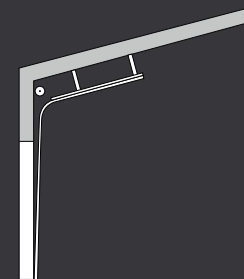
NSD: Low-headroom fitting following roof line (max. 20°)



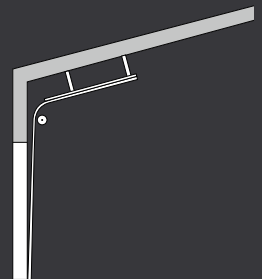
HL: High lift guide rail fitting



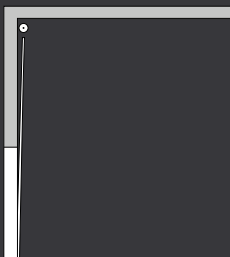
HLU: High lift guide rail fitting with underlying torsion spring shaft



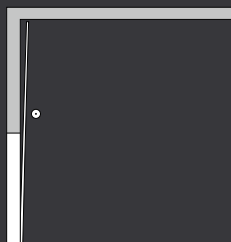
HLD: High lift guide rail fitting following roof line (max. 30°)



HLDU: High lift guide rail fitting following roof line and underlying torsion spring shaft



VL: Vertical lift fitting



VLU: Vertical lift fitting with underlying torsion spring shaft



## Comfortable operation. Teckentrup drive systems.

At Teckentrup, the drive, control system and operating elements form a complete unit that is matched in an optimum manner to the doors and applications. Here, you can benefit from a ready-to-use system!

## Powerful, with microprocessor technology



Comfort control unit  
CS 310



Comfort control unit  
CS 310  
(with main switch)

Microprocessor control with absolute transmitter evaluation. Simple, secure programming using the LED module or the 3 button navigation system on the LCD monitor with multi-language clear text display, optional red-green light to show door status, with visual warning messages (to be used in e.g. underground garages, car repair shops). The CS 310 control system has two potential-free end position sensors.



Comfort control unit  
CS 310 FU



LED signal lamps

Fast-running CS 310 FU version with frequency converter. 'Soft' start and stop for material-friendly door operation and secure function.

## Simply good. Comfortable control systems.

Depending on requirements, various solutions for manual and drive-operated doors are available for selection.

### Electrically-driven door systems

Direct-mount drive with emergency manual chain. In the event of a power failure, the door can be comfortably operated from the floor by hand.



#### Chain drive

The use of space-saving chain drive is recommended in the event of limited lateral space being available.

Direct-mount drive with emergency hand crank (turned 40° at the bottom) The economy variant for emergency operation – also in the event that the emergency manual chain fails to function.



## Manually-operated door systems

### Manual chain hoist with 1:4 gear ratio



Comfortable operation via force reduction, including chain retaining.



Hand rope  
Simple, economic variant for small doors.

## Accessories. Control elements.

Various hand-held transmitters, key-operated switches and code buttons are available for easy and comfortable operation.



2-channel hand-held transmitter



4-channel hand-held transmitter



10-channel hand-held transmitter



99-channel hand-held transmitter



Key-operated switch AP



Key-operated switch UP



Key-operated switch AP with stop button



Key-operated switch UP with stop button



Supporting column made from anodised aluminium with integrated key-operated button



Radio code switch



LED signal lamps

Internal radio receiver  
for CS 310, pluggableExternal radio receiver  
for CS 310,  
ready-to-useRadar motion detec-  
tor with programmer

For pulse-controlled operation, we offer a variety of modern and reliable technologies such as light barriers, induction loops, radar movement sensors and much more.

Emergency stop  
switchPush button  
„Open – Stop – Close“Push button  
„Open – Emergency  
stop – Close“Lockable  
Push button  
„Open – Emergency  
stop – Close“Lockable  
Push button  
„Open – Stop – Close“

One-way light barrier

Reflection  
light barrier



The foundation of our success: continuous quality checks in accordance with DIN EN ISO 9001 and highly-trained employees that fill our quality philosophy with life every day.



The industrial sectional doors from Teckentrup fulfil all safety requirements of the applicable European standards and the requirements of EN 13241-1. In this way, all components of our products are designed with a broad range of safety-relevant aspects – especially with respect to:

- mechanical influences,
- reliability of use,
- thermal insulation,
- acoustic insulation,
- leaktightness and
- wind loading.

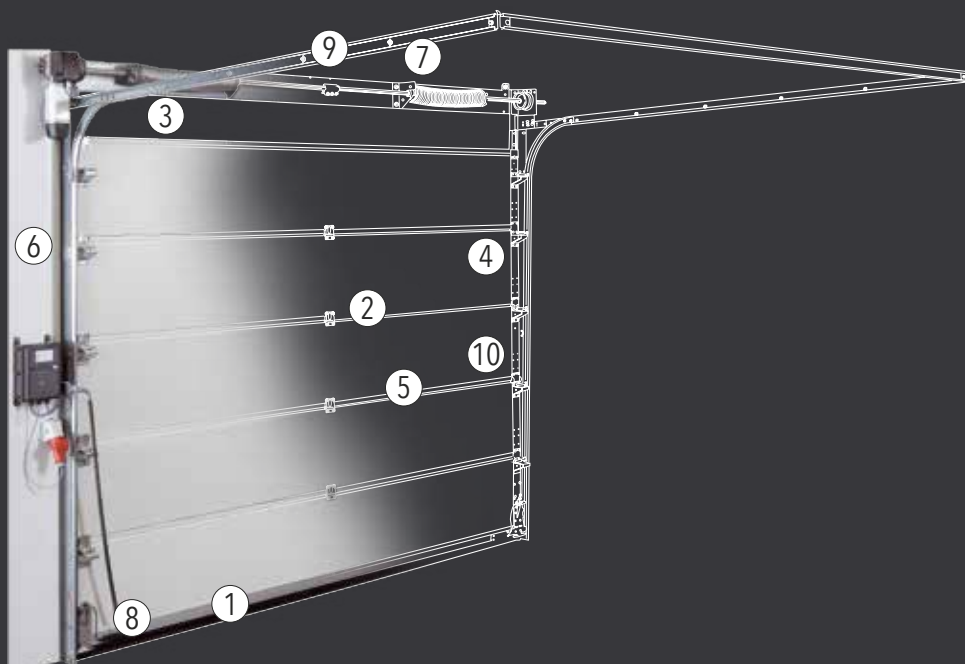
## **Patented safety.**

## **Product development.**

The industrial sectional doors from Teckentrup convince with their combination of installation-friendliness, operating safety, comfort and reliable and material-friendly operation. The reason for this optimum performance lies in the thorough new and further development of many technical details. Many of these technologies are patented and are hence only available with Teckentrup doors.

From the first idea via development and design right up to production and dispatch, we provide everything from one place. So you can completely depend on the seamless quality of our products.

Tight and secure  
all around.



## ① Bottom seal

Rot-proof bottom seal made from elastic and non-freeze EPDM rubber profile smoothes out floor unevennesses and protects from cold and damp.



## ② Centre seals

The door is also sealed in an optimum manner between the individual sections across its entire width.



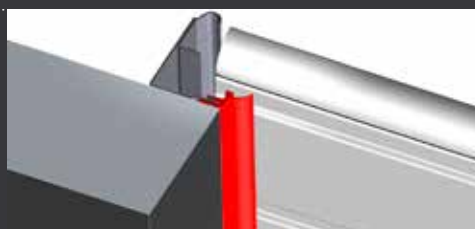
## ③ Top seal

It securely closes, seals and insulates the door at the lintel across its full width.



## ④ Side seals

The seal lips on the lateral abutment strips thermally separate the frame from the outside. This means that an additional seal is often not necessary.



## ⑤ Finger pinch protection inside / outside

Patented finger-pinch protection for the inside and outside of the door.



## ⑥ Lateral intervention protection

The lateral contact protection prevents intervention between the frame and the guide rail.



## ⑦ Spring fracture safety device for manually-operated doors

Stops the shaft from turning in the event of breakage of the torsion spring. The door is held in its position. This securely prevents the door from dropping.



## ⑧ Safety edge mechanism

Electrically operated doors with pulse control are provided at the factory with a pre-mounted safety edge mechanism which, in keeping with ASR A1.7, not only stops the door when it encounters an obstruction, it releases this again immediately by reversing.



## ⑨ Secure shaft connection

Installation-friendly, secure and stable torsion spring shaft connection.



## ⑩ Low-noise door operation

Robust pulley blocks made from galvanised steel and ball bearing-mounted rollers guarantee the highest levels of longevity and quiet door operation.



Types of door and technical data

Performance characteristics in accordance with EN 13241-1	Unit	SW 40	SL 40	SLX 40	SLW 40
Resistance against wind loading in accordance with EN 12424 (with and without wicket door)	Class	2 (optional 3, 4)	2 (optional 3, 4)	2 (optional 3, 4)	2 (optional 3, 4)
Watertightness in accordance with EN 12425 (with and without wicket door)	Class	3	3	3	3
Air permeability in accordance with EN 12426 (without wicket door)	Class	3	3	3	3
Air permeability in accordance with EN 12426 (with wicket door)	Class	3	3	-	3
Thermal insulation in accordance with EN 13241, Annex B EN 12428 (without wicket door - approx. 25 m2 door area)	UD in W/(m²K)	1,2	3,3	3,5	3,1
Thermal insulation in accordance with EN 13241, Annex B EN 12428 (with wicket door - approx. 25 m2 door area)	UD in W/(m²K)	1,4	3,7	-	3,5
Acoustic insulation value in accordance with EN 717-1 (without wicket door)	Rw in dB	24	23	23	23
Door sizes					
Width x height max. (dependent on combination)	in mm	8,000 x 8,000	8,000 x 8,000	4,000 x 6,000	8,000 x 8,000
Weight of door leaf	in kg/m²	approx. 12	approx. 12	approx. 12	approx. 12
Door leaf (self-supporting), material type					
Installation depth	in mm	40	40	40	40
Steel panels, PU foam filled		■	-	-	■
Aluminium panels, frame profile with filling		▲	■	■	■
Aluminium panels, frame profile with filling, thermally separated		-	-	-	-
Door leaf, surfaces type					
Galvanised steel, pre-coated in 9 standard colour tones (see page 24)		■	-	-	■
Galvanised steel, painted in RAL or NCS as desired		▲	-	-	▲
Anodised aluminium, E6 / EV1		▲	■	■	■
Aluminium powder-coated in RAL as desired		▲	▲	▲	▲
Side door (appearance matches door leaf)		▲	▲	▲	▲
Wicket door (integrated into the door leaf)		▲	▲	▲	▲
Glazing options / fillings					
Sandwich glazing Type A / Type B		▲	-	-	-
Sandwich glazing Type SW 80 (KS triple glazing, angular)		-	-	-	-
KS double glazing 20 mm		▲	■	■	■
KS triple glazing 20 mm / 5-chamber multi-skin sheet		▲ / ▲	▲ / ▲	▲ / ▲	▲ / ▲
KS triple glazing 43 mm / KS quadruple glazing 43 mm		-	-	-	-
Enhanced scratch-resistance for KS glazing		▲	▲	▲	▲
Ventilation elements as aluminium perforated plate, stainless steel (V2A) expanded screen		▲	▲	▲	▲
Seals					
4-side circumferential and centre seal between the sections		■	■	■	■
Double side and bottom seal		-	-	-	-
Locking systems					
Interior locking systems		▲	▲	▲	▲
External / internal locking systems		▲	-	-	-
Safety equipment					
Finger-pinch protection		■	■	■	■
Lateral intervention protection		■	■	■	■
Spring fracture safety mechanism with manual operation		■	■	■	■
Electrical equipment					
Electrical drive with control		▲	▲	▲	▲
Automatic operation with safety edge mechanism		▲	▲	▲	▲
Radio, hand-held transmitter, light barriers		▲	▲	▲	▲
Fastening to					
Concrete, steel, masonry		■	■	■	■
Others available on request		▲	▲	▲	▲

■ = Standard  
▲ = Optional



SW 80	SL 80	SLW 80
2 (optional 3, 4)	2 (optional 3, 4)	2 (optional 3, 4)
3	3	3
3	3	3
-	-	-
0,58	2,1	2,3
-	-	-
23	23	23
8,000 x 8,000	6,750 x 8,000	6,750 x 8,000
approx. 13	approx. 13	approx. 13
80	80	80
■	—	■
-	-	-
▲	■	■
■ (only in RAL 9002)	-	-
▲	-	▲
▲	■	■
-	▲	▲
-	-	-
-	-	-
-	-	-
▲	-	-
-	-	-
-	-	-
▲ / ▲	■ / ▲	■ / ▲
▲	▲	▲
-	-	-
■	■	■
■	■	■
▲	▲	▲
▲	▲	▲
-	-	-
■	■	■
■	■	■
▲	▲	▲
▲	▲	▲
▲	▲	▲
■	■	■
▲	▲	▲



# Decisive. In all details.

Whether for interior or exterior use, whether frequent or occasional use, whether light arrangement or thermal insulation, whether fire, smoke, sound, heat or burglary protection – in general, industrial and commercial buildings require doors and industrial doors with the widest variety of requirements. We produce and deliver all products in accordance with your requirements, all from one source. The sooner you involve your personal advisor from Teckentrup in your planning process, the more optimised are the results. Get in touch with us!

- ① Transformer door
- ② T30 all-glass door
- ③ Fire-protection door
- ④ Smoke-proof door
- ⑤ Multifunction door (fire / smoke / security)
- ⑥ Security door
- ⑦ Fire / sound-insulated door
- ⑧ Fire-protection door
- ⑨ Internal door
- ⑩ Industrial sectional door SL 80
- ⑪ Industrial sectional door SW 40
- ⑫ Roller shutter
- ⑬ Roller grille
- ⑭ High-speed door

# Expedient addition. Doors and other door solutions.

In addition to the industrial sectional doors, industrial and commercial buildings require many different solutions. As one of Europe's leading manufacturers of doors and gates, we offer you a programme that safeguards all options.

## Property doors:

- Fire-protection doors
- Smoke-protection doors
- Security doors
- Sound-insulated doors
- Multi-purpose doors
- Special doors

## Other industrial door solutions:

- Roller shutters and roller grilles
- Fire-protection doors
- High-speed doors
- Folding doors
- Steel sliding doors



Find out about our  
complete range at:  
[www.teckentrup.biz](http://www.teckentrup.biz)

Here, as a trade partner, you can find a multitude of online tools for installation, configuration, order placement and much more!

# Teckentrup. Always close to you.

Other countries:

- Egypt
- Armenia
- India
- Iran
- Israel
- Kazakhstan
- Oman
- Southern Africa
- Thailand



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

Dealer imprint