



Industrial Sectional Doors

With the innovative wicket door with trip-free threshold





Good Reasons to Try Hörmann

The market leader has all the innovations

Only from Hörmann



1

A permanently clear view

Industrial doors with large glazing offer maximum transparency and plenty of natural illumination within the building. **The scratch-resistant DURATEC synthetic glazing provides a permanently clear view.** A special surface coating, similar to that used on car headlights, protects the pane from scratches and damage caused by cleaning over the long-term. This preserves the attractive appearance despite wear in rough industrial settings. **The DURATEC glazing is available as standard and at no extra charge for all sectional doors with clear synthetic glazing – only from Hörmann.**

For further information, see pages 56 – 59.



See the short film at:
www.hormann.co.uk/videos

Only from Hörmann

ThermoFrame frame connection



2

Efficient Thermal Insulation

Well-insulated industrial sectional doors are essential in heated buildings to keep energy losses at a minimum. **Hörmann industrial sectional doors with 67 mm sections with thermal break offer very effective insulation and thus save energy costs.** Triple or quadruple panes with thermal break additionally limit the risk of condensation water accumulation. **You can additionally obtain up to 21 % better thermal insulation with the optional ThermoFrame frame connection,** which thermally separates the frame and the brickwork while also sealing the door better with double seals.

For further information, see pages 60 – 61.

**Wicket door construction
with thermal break, depth 67 mm**



3

Long-lasting design

In every detail Hörmann industrial sectional doors are designed for a long service life: from rollers with ball-bearing via rugged section connections up to the optimal spring shaft equipment. This allows more than 25000 actuations with special equipment up to 200000. **The heavy-duty design lowers the maintenance and service costs, making Hörmann industrial sectional doors overall economic and sustainable.**

4

Suitable fitting solutions

With more than 30 track applications, industrial sectional doors **can be optimally matched to the architecture and requirements of your building.** Detailed solutions such as low-mounted spring shafts or screw-fitted components additionally facilitate maintenance and make the doors especially service-friendly.

For further information, see pages 62 – 63.

Good Reasons to Try Hörmann

The market leader has all the innovations



5

Optimised logistics systems

Hörmann industrial sectional doors and operators are **optimally matched to the Hörmann loading technology**. You therefore receive a logistics solution that perfectly matches your requirements in terms of thermal efficiency and functions. The industrial doors Parcel and Parcel Walk were especially developed for parcel services. They allow vehicles with different heights (such as lorries and transporters) to be effectively loaded and unloaded at a loading bay.

For further information, see pages 44 – 47.



Only from Hörmann

European patent

6

Safe and convenient working



Sometimes minor things have major effects. The stainless steel threshold rail of Hörmann wicket doors is particularly flat – which facilitates working and minimises risk of accident. **This reduces the risk of tripping and makes it considerably easier for slide carriages to pass through.** Under certain circumstances, Hörmann wicket doors with trip-free threshold can even be used as escape doors and for barrier-free passages.

For further information, see pages 48 – 51.



See the short film at:
www.hormann.co.uk/videos



7

Harmonious design

Hörmann industrial sectional doors, doors with wicket door, side doors and panels are designed in such a way that all elements present a harmonious overall view when they are fitted in a line of buildings. **The rails of the aluminium frames are aligned to match** – for both standard profiles and profiles with thermal break. This also applies to the combination of doors with different depths. This way, your company will present its best look in all cases.



8

Individual design possibilities

With Hörmann industrial sectional doors you can design your facades according to your wishes. Individual possibilities emerge from the integration of the doors in the facade with a flush-fitting design made of wood, metal, ceramics, plastic and other materials. The Vitraplan glazing offers an engaging mix of reflection and transparency. The wide glazing sections of the Glazing doors offer a free view of your exhibition areas.

For further information, see pages 36 – 43.

Good Reasons to Try Hörmann

The market leader has all the innovations



9

Break-in resistant as standard

It is also important for industrial doors to be reliably break-in-resistant to protect your building. The **standard anti-lift kit** functions mechanically and thus effectively protects your goods and machines during power outages. Additional security is offered thanks to an optional rotary latch and shootbolt as well as floor locking. Wicket doors are also optimally protected thanks to the optional multiple-point locking. They are protected against break-ins across the entire door height. You can also optionally equip side doors with break-in-resistant RC 2 security equipment.

For further information, please see page 68.



10

User-friendly equipment

We offer you a wide range of optional equipment. This **allows you to conveniently adjust any door to your requirements**. For manually operated doors, there are operation aids such as pull rods, cable or chain hand pulleys. Or you can equip your door with an exterior handle to securely close it and conveniently open it from the outside. For power-driven doors we offer the suitable operator solutions with matching safety equipment, operating aids and signal transmitters.



! Only from Hörmann

Leading photocell



11

Convenient operator solutions

For frequent door cycles we recommend the use of a power-driven door. Depending on the requirements regarding performance, speed and convenience, we offer you **perfectly matched operator solutions**. From the installation-friendly shaft operator WA 300 to the powerful shaft operator WA 400 FU, a suitable operator solution optimally supports the work processes of your company, making it an investment that quickly pays off.

For further information, see pages 74 – 79.

12

Safe operation

Efficient monitoring of the closing edge increases safety, optimises your work processes and lowers inspection and maintenance costs. In addition to the standard closing edge safety device for operators WA 400 and ITO 400, **opt for a leading photocell at no surcharge** – it reacts without contact to movements and obstacles, securely stopping the door if required and moving it up again. Optionally, you can equip your doors with the light grille HLG that offers you maximum safety and particularly convenient features.

For further information, see pages 70 – 73.

**For ideal thermal insulation: 67 mm
Thermo profiles with thermal break**



42 mm standard profile



42 mm Thermo profile



67 mm Thermo profile

Glazed aluminium doors in 2 profile types and 2 depths

Standard profile, depth 42 mm

As standard, the glazing frames are produced using high-quality aluminium extrusion profiles that are designed for robust industrial and commercial day-to-day work. The standard profile without thermal break is ideal for buildings that are barely or not at all heated or cooled.

Thermo profile with thermal break, depths 42 mm and 67 mm

Anywhere the thermal insulation of buildings is important, the Thermo profiles with thermal break on the interior and exterior are the first choice. The 67 mm Thermo profile with 3-chamber system is delivered with triple glazing as standard. The 42 mm Thermo profile is offered with double glazing as standard. Other glass variants, such as climatic glass or synthetic quadruple pane, can further increase energy efficiency.

Application Areas

A matching door version for every purpose

Saving Energy Thanks to Thermal Insulation

SPU F42
SPU 67 Thermo
Double-skinned steel
sectional doors

Page 18



More Light in the Building

APU F42
APU F42 Thermo
APU 67 Thermo
Glazed aluminium doors
with steel bottom section

Page 24



Matching Modern Architecture

ALR F42
ALR F42 Thermo
ALR 67 Thermo
Glazed aluminium doors

Page 28



Maximum Transparency for Shop Windows

ALR F42 Glazing
ALR 67 Thermo Glazing

Aluminium doors with
large glazing

Page 32



Elegant Eye-Catcher

ALR F42 Vitraplan
Exclusively glazed
aluminium doors

Page 36



Door and Facade Design

Aluminium door ALR F42
for on-site cladding

Page 40



APU F42, APU F42 Thermo, APU 67 Thermo

Glazed aluminium doors with steel bottom section



Workshops

Matching glazing division for doors with and without wicket doors



Commercial buildings and warehouses

The PU-foamed bottom section can be replaced easily and inexpensively if damaged, for example, by a vehicle.

Protection bollards protect from damage

When used outside, they avoid expensive collision damage on buildings. When used inside, they protect the door tracks from collision damage.

*Especially easy to service and repair
thanks to robust bottom sections*



Workshops

Easy and safe passage of pedestrians thanks to the wicket door with trip-free threshold



Workshops

Large glazings for light in the workspace

APU F42, APU F42 Thermo, APU 67 Thermo

Glazed aluminium doors with steel bottom section



APU F42

1 Thanks to the combination of robust steel bottom section and large glazings, the door is especially stable and lets a lot of light into the building.

APU F42 Thermo

2 The APU F42 Thermo with glazing beads with thermal break and steel bottom section is recommended for high thermal insulation requirements.

APU 67 Thermo

3 The APU 67 Thermo, depth 67 mm, offers excellent thermal insulation thanks to its glazing beads with thermal break and steel bottom section.



Door type	APU F42		APU F42 Thermo		APU 67 Thermo	
	Without wicket door	With wicket door	Without wicket door	With wicket door	Without wicket door	With wicket door
Door size						
Max. width (mm)	8000	7000	7000	7000	10000	7000
Max. height (mm)	7500	7500	7500	7500	7500	7500

Thermal insulation EN 13241, Appendix B EN 12428

U-value in W/(m²·K) for a door surface of 5000 × 5000 mm

Standard double pane	3,4	3,6	2,9	3,1	–	–
With ThermoFrame	3,3	3,6	2,8	3,1	–	–
Standard triple pane	–	–	–	–	2,1	2,3
With ThermoFrame	–	–	–	–	2,0	2,2
Optional climatic double pane, single-pane safety glass	2,5	2,7	2,0	2,2	1,6	1,8
With ThermoFrame	2,4	2,6	1,9	2,1	1,5	1,7

APU 67 Thermo: Excellent Thermal Insulation with a U-Value of up to 1.5 W/(m²·K) for a Door Size of 5 × 5 m

Robust bottom section

The 750-mm-high bottom section is optionally available in Stucco or Micrograin surface finish without surcharge. The even PU-foaming of the steel section makes it particularly robust. In case of extensive damage, it can be exchanged easily and inexpensively.



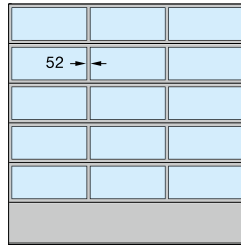
Stucco-textured bottom section



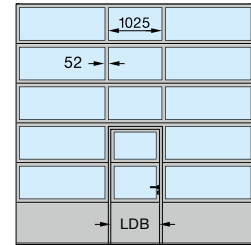
Micrograin bottom section

Example door versions

Door width up to 4500 mm (example 4500 × 4500 mm)

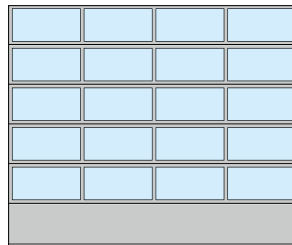


APU F42, APU F42 Thermo,
APU 67 Thermo
Uniform field division

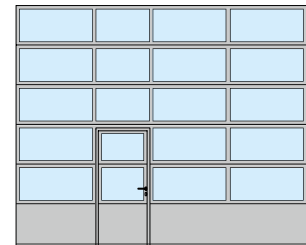


APU F42, APU F42 Thermo,
APU 67 Thermo
Wicket door arrangement in the centre

Door width up to 5500 mm (example 5500 × 4500 mm)

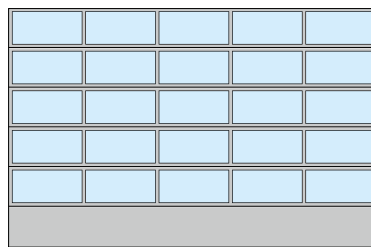


APU F42, APU F42 Thermo,
APU 67 Thermo
Uniform field division

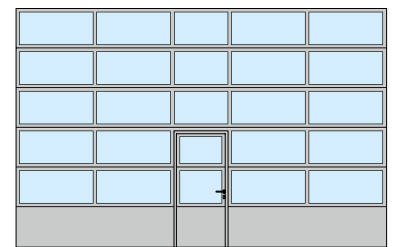


APU F42, APU F42 Thermo,
APU 67 Thermo
Wicket door arrangement to the left

Door width over 5500 mm (example 7000 × 4500 mm)



APU F42, APU F42 Thermo,
APU 67 Thermo
Uniform field division



APU F42, APU F42 Thermo,
APU 67 Thermo
Wicket door arrangement in the centre

Clear passage width (LDB)
APU F42, APU F42 Thermo: 940 mm
APU 67 Thermo: 905 mm

On request, uniform field division is also possible with wicket door.

The field division of the wicket door arrangement is also available for sectional doors without wicket door.

For modernisation or when the matching appearance of the existing sectional doors must be ensured, the APU F42 / APU F42 Thermo is also available with 91-mm-wide rails.

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Glazings, page 56
Safety features in acc. with EN 13241, page 65
Technical data, page 90

ALR F42, ALR F42 Thermo, ALR 67 Thermo

Glazed aluminium doors



Commercial buildings

Aluminium profiles with thermal break and optional climatic glazing ensure that insulation is improved by up to 55 %.

**Permanent clear view with DURATEC glazing
for maximum scratch resistance**



Workshops

Permanent clear view thanks to standard DURATEC glazing



Fire station buildings

Large glazings offer more light in the building.



Collective garages

Variety of infill options, from expanded mesh to perforated sheet infill for door and wicket door (only ALR F42)

ALR F42, ALR F42 Thermo, ALR 67 Thermo

Glazed aluminium doors



ALR F42

1 This door features large glazings and a contemporary appearance with aluminium profiles. The DURATEC glazing provides a permanently clear view.

ALR F42 Thermo

2 Thanks to the glazing profiles with thermal break and DURATEC synthetic glazing, the door offers excellent transparency and good thermal insulation.

ALR 67 Thermo

3 The ALR 67 Thermo, depth 67 mm, with glazing beads with thermal break is recommended for the highest thermal insulation requirements.



Door type	ALR F42		ALR F42 Thermo		ALR 67 Thermo	
	Without wicket door	With wicket door	Without wicket door	With wicket door	Without wicket door	With wicket door
Door size						
Max. width (mm)	8000	7000	7000	7000	10000	7000
Max. height (mm)	7500	7500	7500	7500	7500	7500

Thermal insulation EN 13241, Appendix B EN 12428

U-value in W/(m²·K) for a door surface of 5000 × 5000 mm

Standard double pane	3,6	3,8	3,0	3,2	-	-
With ThermoFrame	3,6	3,8	3,0	3,2	-	-
Standard triple pane	-	-	-	-	2,2	2,4
With ThermoFrame	-	-	-	-	2,1	2,3
Optional climatic double pane, single-pane safety glass	2,7	2,9	2,1	2,3	1,7	1,9
With ThermoFrame	2,6	2,8	2,0	2,2	1,6	1,8

Up to 55 % improved thermal insulation: ALR 67 Thermo with climatic glazing and ThermoFrame

The best thermal insulation

For ALR F42 Thermo and ALR 67 Thermo, the aluminium profiles have a thermal break and offer optimum thermal insulation while letting in maximum levels of natural light. The ALR 67 Thermo with optional climatic glazing and ThermoFrame decreases the thermal insulation value by approx. 55 % to up to 1.6 W/(m²·K), in comparison to an ALR F42.

Optional infills

We deliver the bottom door section as standard with PU infill and aluminium sheet cover, both sides Stucco-textured. Optionally, the door is available fully glazed without surcharge. Further information about the infill variations is available on page 58.

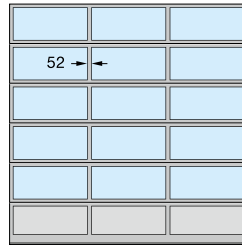


Bottom door section with PU infill (left) or optionally with glazing (right)

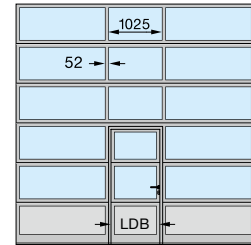
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Example door versions

Door width up to 4500 mm (example 4500 × 4500 mm)

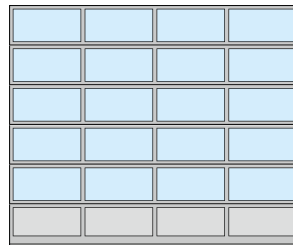


ALR F42, ALR F42 Thermo,
ALR 67 Thermo
Uniform field division

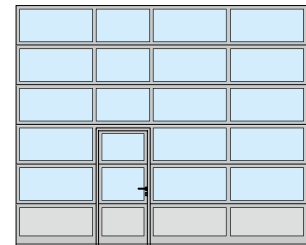


ALR F42, ALR F42 Thermo,
ALR 67 Thermo
Wicket door arrangement in the centre

Door width up to 5500 mm (example 5500 × 4500 mm)

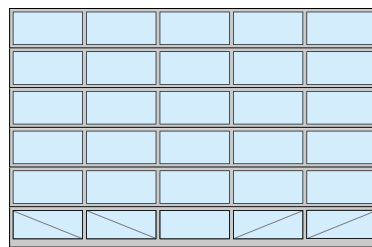


ALR F42, ALR F42 Thermo,
ALR 67 Thermo
Uniform field division



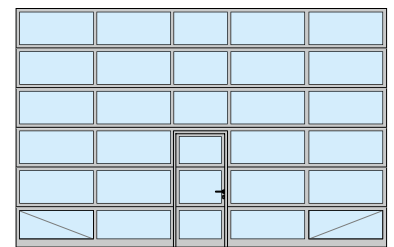
ALR F42, ALR F42 Thermo,
ALR 67 Thermo
Wicket door arrangement to the left

Door width over 5500 mm (example 7000 × 4500 mm)



ALR F42, ALR F42 Thermo,
ALR 67 Thermo
Uniform field division
Fully glazed

Clear passage width (LDB)
ALR F42, ALR F42 Thermo: 940 mm
ALR 67 Thermo: 905 mm



ALR F42, ALR F42 Thermo,
ALR 67 Thermo
Wicket door arrangement in the centre
Fully glazed

On request, uniform field division is also possible with wicket door.

The field division of the wicket door arrangement is also available in doors without wicket door.

For modernisation or when the matching appearance of the existing sectional doors must be ensured, the ALR F42 / ALR F42 Thermo is also available with 91-mm-wide rails.

Of course, individual arrangements of the glass and panel infills or full glazing are possible.

For better stability, the lower window sections are equipped on the inside with diagonal static cross struts for the following door versions:

- Fully glazed doors from a door width of 5510 mm
- Doors with real glass and wicket door from a door width of 4510 mm

ALR F42 Glazing, ALR 67 Thermo Glazing

Aluminium doors with large glazing



Sales areas

Thanks to large glazings made of real glass, the door becomes a display window, attracting potential customers.



Car showrooms

Bright, well-lit showrooms convey a sense of space and professionalism.



Warehouses

Large glazing provides workplaces with daylight.

ALR F42 Glazing, ALR 67 Thermo Glazing

Aluminium doors with large glazing

REAL GLASS

ALR F42 Glazing

1 The ideal display window door: continuous window sections with real glass offer an unimpeded view into showrooms. The window sections, all the exact same height, are produced without vertical rails for door widths of up to 3330 mm.

ALR 67 Thermo Glazing

2 For higher thermal insulation requirements, the ALR 67 Thermo Glazing is available with thermal break profiles, depth 67 mm.



Door type	ALR F42 Glazing	ALR 67 Thermo Glazing
Door size		
Max. width (mm)	5500	5500
Max. height (mm)	4000	4000

Thermal insulation EN 13241, Appendix B EN 12428

U-value in W/(m²·K) for a door surface of 5000 × 5000 mm

Standard single pane, laminated safety glass	6,1	–
Standard double pane, single-pane safety glass	–	3,0
With ThermoFrame	–	2,9
Optional climatic double pane, single-pane safety glass	2,7	1,8
With ThermoFrame	2,6	1,7

ALR F67 Thermo Glazing

The ALR 67 Thermo Glazing is especially suited for heated sales areas. The aluminium profiles have a thermal break and offer the best thermal insulation with maximum transparency.

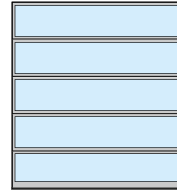
The ALR 67 Thermo Glazing with optional climatic glazing and ThermoFrame decreases the heat transfer coefficient to a maximum of $1.7 \text{ W}/(\text{m}^2\cdot\text{K})$. This helps you save valuable energy.



ALR 67 Thermo Glazing with aluminium profiles with thermal break

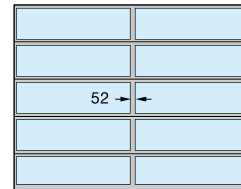
Example door versions

Door width up to 3330 mm
(Example $3300 \times 3500 \text{ mm}$)



ALR F42 Glazing, ALR 67 Thermo Glazing

Door width over 3330 mm
(Example $4500 \times 3500 \text{ mm}$)



ALR F42 Glazing, ALR 67 Thermo Glazing with vertical rail

ALR F42 Vitraplan

Exclusively glazed aluminium doors



Exclusive door appearance

A clear overall appearance thanks to the offset glazing with a fascinating mix of reflection and transparency

ALR F42 Vitraplan
An eye-catcher for prestigious buildings
and modern architecture



Matching side doors

The combination of the sectional door and matching side door with offset glazing creates a harmonious overall appearance.



Designed facades

Permanent surface protection thanks to standard DURATEC glazing

ALR F42 Vitraplan

Exclusively glazed aluminium doors



ALR F42 Vitraplan

1 2 The surface-mounted, flush-fitting glazing fascinates with a mix of reflection and transparency. The colours of the frame profiles are matched to the glazing colours in grey or brown.



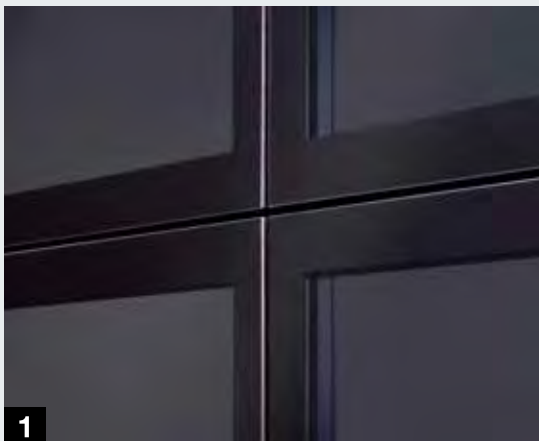
Door type	ALR F42 Vitraplan
Door size	
Max. width (mm)	6000
Max. height (mm)	7500
Thermal insulation EN 13241, Appendix B EN 12428	
U-value in W/(m ² ·K) for a door surface of 5000 × 5000 mm	
Standard double pane	3,2
With ThermoFrame	3,2
Optional triple pane	3,1
With ThermoFrame	3,1

ALR F42 Vitraplan For sophisticated architecture

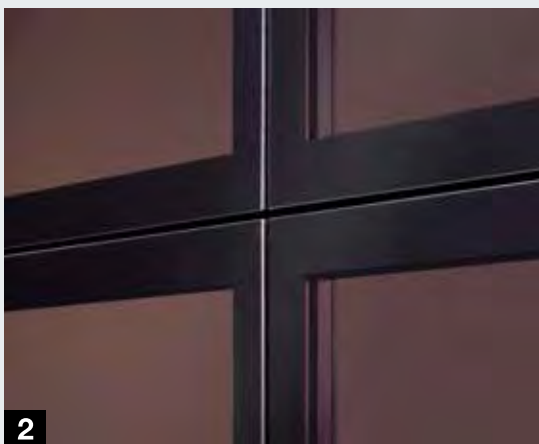
The ALR F42 Vitraplan is especially elegant thanks to offset, flush-fitting glazing. The frame profile is concealed, so nothing detracts from the clear overall appearance.

Continuous glazing adds an eye-catching element to modern industrial structures and prestigious private buildings.

The door can be harmoniously integrated into the facade with glazings in brown and grey, as well as a dark frame profile colour that harmonises with the glass.



Synthetic pane, grey



Synthetic pane, brown

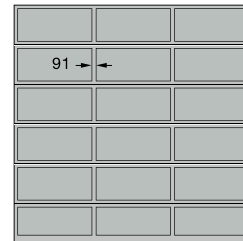
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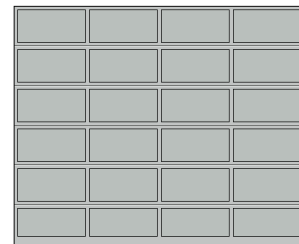
Example door versions

Door width up to 4500 mm
(Example 4500 × 4500 mm)



ALR F42 Vitraplan
Uniform field division

Door width up to 5500 mm
(Example 5500 × 4500 mm)



ALR F42 Vitraplan
Uniform field division

ALR F42

Aluminium doors for on-site cladding



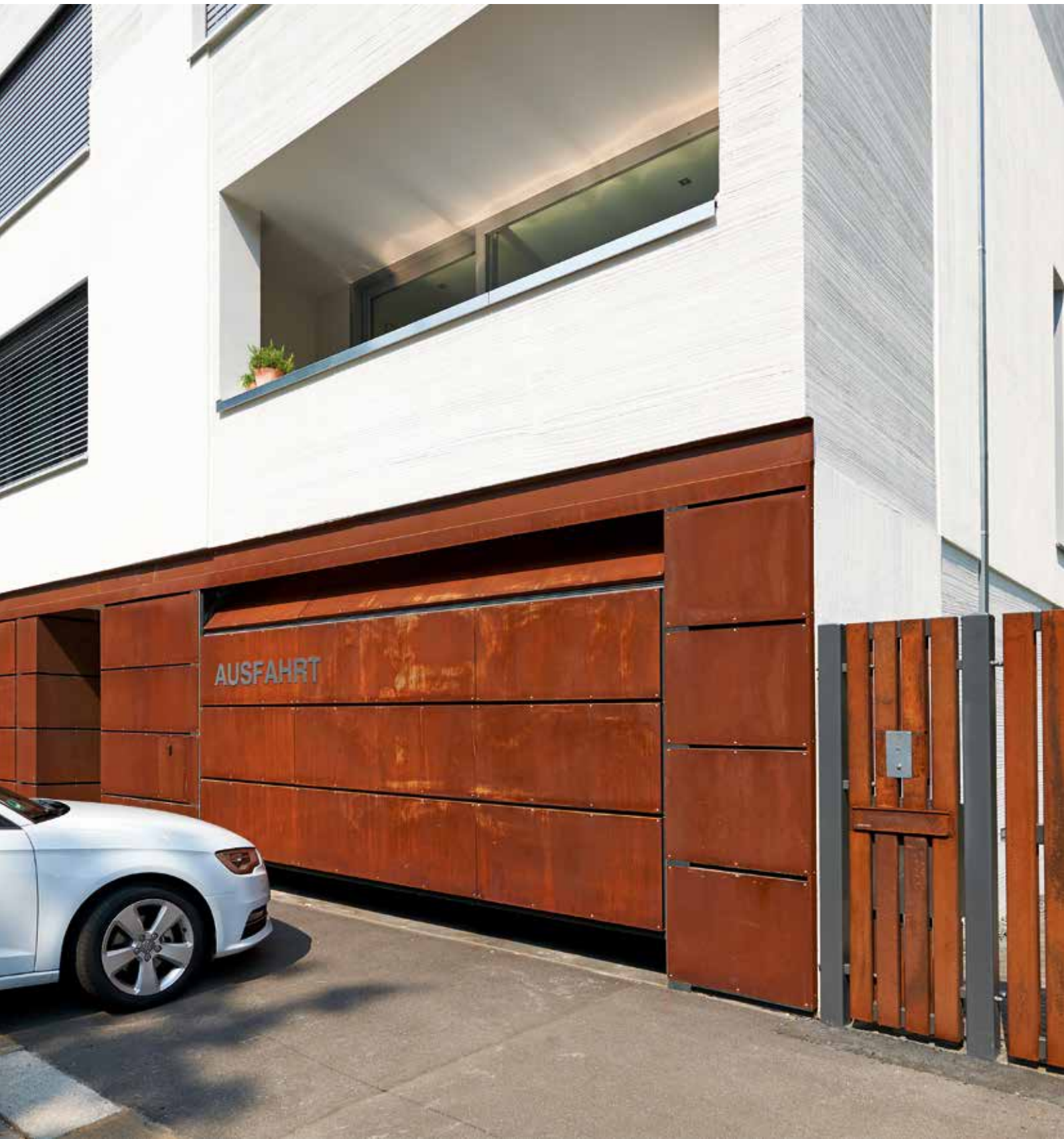
On-site cladding with aluminium compound board



On-site cladding with timber panels



*For flush-fitting cladding made of timber,
metal and many other materials*



On-site cladding with laminated material boards

ALR F42

Aluminium doors for on-site cladding

ALR F42

The facade cladding door base consists of frame profiles with PU sandwich infill. The horizontal profiles are cladded. Optionally, we provide vertical fitting profiles to which the facade material can be attached simply and unseen.

You can design the on-site, flush-fitting facade cladding according to your wishes with timber, metal, ceramic, plastic and many other materials. Please observe the maximum weight per unit area of the on-site cladding. For further information, see the planning aid at www.hoermann.com



Door type	ALR F42
Door size	Depending on weight of on-site cladding
Max. width (mm)	7000
Max. height (mm)	4500
Thermal insulation EN 13241, Appendix B EN 12428	
U-value in W/(m ² ·K) for a door surface of 5000 × 5000 mm	
PU sandwich infill	2,6