

Fire-Rated Steel Doors to British Standard

Single and double-leaf doors in a matching appearance



Hörmann Fire Protection

Ensure You Are Fire Safe



Allianz Arena Munich, Germany



In-house product development

Reliable fire protection requires continual product developments and improvements. Our qualified development teams continually demonstrate their expertise time and again, enabling us to offer you a complete and fully comprehensive range of doors.



Production at the highest level

Hörmann relies on the latest production technology at highly specialised factories. Computer-controlled operations ensure repetitively and dimensionally accurate elements with perfectly installed fittings and functional parts. This is a prerequisite for customised solutions in the non-domestic building sector.





When you purchase a Hörmann firerated door you can be assured of quality, protection and safety for decades. Take advantage of our comprehensive range to meet the special requirements of your application in the non-domestic building sector.





LPCB Certificate valid for: HBS 60 C-1, HBS 60 C-2, HBS 90 C-1, HBS 90 C-2, HBS 90 D-1, HBS 90 F-2, HBS 120 C-1, HBS 120 C-2



Pre-tested in Hörmann's own fire-testing center

In our own fire-testing center, highly sensitive instruments precisely measure the thermal load. This allows us to optimally prepare our innovations for official inspections by accredited testing centres for approvals.



Competent advice and support

Experienced specialists from our customer-oriented sales organisation support you from the planning stage, through technical clarification up to the final building inspection. Our complete documentation is continually updated and available at all time on our website www.hoermann.com

Styled to Perfection

All doors are designed to incorporate independent functionality with great style, resulting in an impressive door appearance.





5 Closing devices

Fire-rated doors close automatically as standard. For British standard doors overhead door closers are not required. Depending on the size, features, use or fitting style, the factory can also supply you with the exclusive slide rail door closer HDC 35 and on request with linkage door closers and door leaf selector for double-leaf doors.

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Exclusive slide rail door closer HDC 35 For single-leaf doors (on request also for double-leaf doors).



Linkage door closer for double-leaf doors.

6 Hinges

Hörmann steel fire-rated doors are supplied with heavyduty ball-bearing hinge sets. Depending on the size of the door, each door leaf is fitted with up to 3 hinges. Hinges are tested in durability of minimum 200.000 cycles.

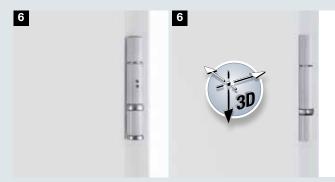
Optional 3-D hinges

7 Security bolts

3-D hinges are especially suited for the fine-tuning and subsequent adjustment of the door. You can compensate minor fitting tolerances. Available galvanized or in stainless steel.

On fire-rated doors, steel security bolts on the hinge side

provide additional stability in case of a fire.



Standard hinge

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3-D hinge galvanized and primed



Security bolt

5

Do you have a specific requirement? Then Hörmann is the right partner for you.



Lever handle sets



We have a comprehensive range of fittings in order to meet with your individual operational requirements. Fittings in the form of knobs, levers or anti-panic handle sets with short escutcheon or roses with

various handle shapes are available. Surfaces are available in aluminium F1 and stainless steel (break-in resistant doors can only be equipped with fittings to DIN 18257 resistance classes).

Ironmongery supplied must be approved and successfully meet all relevant regulations and specifications. Locks



In addition to standard fittings, we offer additional locks:

- Double cylinder lock (locked with 2 different cylinders)
- Bolt lock, additionally prepared for profile cylinder
- Self-locking panic lock

Emergency exit locks Panic door locks



Specific hardware and lock fittings are stipulated for escape doors to DIN EN 179 and DIN EN 1125. Hörmann offers you a wide range of different equipment for your respective needs.

Emergency exit locks according to EN 179

- Fittings in the form of anti-panic or lever / knob handle sets with short or rose escutcheon with matching handles
- Anti-panic lock DIN EN 179
- Anti-panic lock self-locking

Panic locks according to EN 1125

- Fittings with push or touch-bar combined with a variety of lever handle sets tested to DIN EN 1125
- Anti-panic lock DIN EN 1125 with different functions

Hormann quality assures that your door fits perfectly and ensures safe and lasting performance without sacrificing the appearance.



Push bars



- Largely offset lever arm for use in electronic locking cylinders and for short distances between PC
- Durable bar handle
- Finishes: stainless steel, coated with silver aluminium F1, coated black / red (based on EPN 900 IV Alu)
- Certified according to EN 1125, EN 1634, EN 1191

Hold-open devices / operators



Fire doors must be equipped with an automatic overhead closer. By using a device to hold the door open the purpose and function of the fire door is removed.

- Magnets for wall or floor fitting
- Overhead door closer with lever arm and electromechanical hold-open device
- Overhead door closer with slide rail and electromagnetic hold-open device
- Integrated door closer with
 electromechanical hold-open device
- Hinged leaf operator

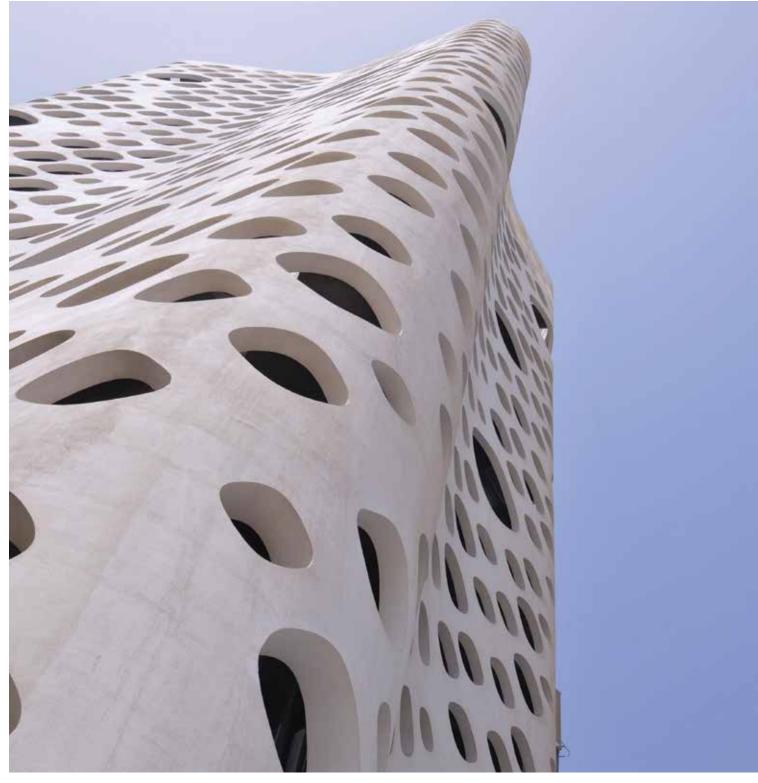
Electrical equipment



Door systems are often equipped with alarm, escape-route security or access control systems. Various components are available according to your needs:

- · Latch contact
- Reed contact
- Electric strike
- Escape door opener
- Door lock
- Concealed electro duct

O-14 Tower, Business Bay, Dubai Architects: Reiser and Umemoto Architects









Hörmann products O-14 Tower, Dubai Durable Fire Protection for High Rise Buildings Steel fire-rated doors HBS 90 Steel fire-rated doors HBS 120 British Standard Doors Two hinges with aluminium ironmongery

Fire-Rated Doors HBS 30 A-1, HBS 60 A-1

Single-leaf

technology) in Rosenheim.

EPD.

Bearing and the

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	Thin rebate on 2 sides		HBS 30 A-1	HBS 60 A-1	
	Door leaf 45 mm thick		Up to 1155 mm	Up to 1155 mm	
FD30	HBS 30 A-1 Assessment report number CC 229620		لی اور	L D D D C C C C C C C C C C C C C C C C	
	HBS 60 A-1				
FD60	Assessment report number CC 229618	Fire-rated door	HBS 30 A-1	HBS 60 A-1	
		Door leaf	45 mm	45 mm	
		Sheet thickness	0.9 mm	0.9 mm	
		Rebate	Thin rebate	Thin rebate	
	Dual-handed with	Standard equipment			
	corner frame Door leaf		Thermal insulation: mineral wool board,		
	You determine the handing on-site -	Frame	2 steel security bolts on the hinge side, intumescent seal Special corner frame with all-round sealing (on 4 sides)		
	LH or RH hinged.		Counter frame for wall width 1		
	You simply turn the		Block frame in the reveal with		
	doors around. No need to remove and relocate	Surface finish	Aluminium threshold profile w	ith seal Ivanized and primed in RAL 9002 Grey white	
	bolts - a quick fitting		-	anized and primed in RAL 7035 Light grey	
	method!	Hinges	Spring hinge, hinge acc. to DI		
		Fittings		prepared for profile cylinder FS	
		Product benefits	Acoustic-rated, guide value P	/er securely fitted, panic bar handle approx. 39 dB (corner frame)	
			Thermally insulated $U = 1.7$ W		
			Dual-handed (corner frame)		
Hörmann	was the first		All-round sealing (corner fram 2 steel bolts to prevent door fr		
manufact			Available for finished floor		
received confirmation of the sustainability of all		Accessories	Door leaf in chosen RAL colou	ır	
	unction doors		Frame in chosen RAL colour		
through an environmental			Door set with counter frame		
product declaration			Aluminium threshold with sea Black BKS bar handle with kn		
	accordance		Black BKS bar handle with lev		
	4025 from the r Fenstertechnik				
	ute of window				
(int – institute of window					

	HBS 30 A-1 / HBS 60 A-1		
Structural opening (ordering size)	Width	Height	
Corner frame	635 - 1260	1755 - 2139	
Clear passage	557 - 1182	1716 - 2100	
Reveal frame	687 - 1312	1794 - 2163	
Clear passage	567 - 1192	1734 - 2103	

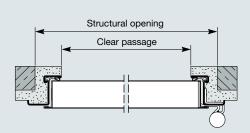
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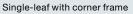
Fire-Rated Doors HBS 30 A-1, HBS 60 A-1

Standard sizes

Standard sizes with corner frame

Single-leaf			
Structural opening (ordering size)	Clear passage		
800 x 2000	722 x 1961		
800 x 2100	722 x 2061		
900 x 2000	822 x 1961		
900 x 2100	822 x 2061		
1000 x 2000	922 x 1961		
1000 x 2100	922 x 2061		

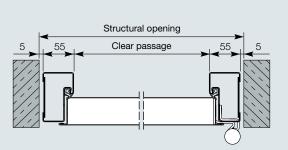




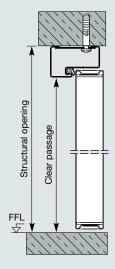


Standard sizes with block frame

Single-leaf			
Structural opening (ordering size)	Clear passage		
800 x 2000	680 x 1940		
800 x 2100	680 x 2040		
900 x 2000	780 x 1940		
900 x 2100	780 x 2040		
1000 x 2000	880 x 1940		
1000 x 2100	880 x 2040		



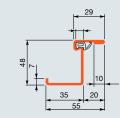
Single-leaf with block frame



Fire-Rated Doors HBS 30 A-1, HBS 60 A-1

Frame types and fitting situations

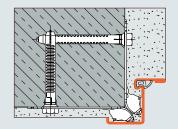
Frame type



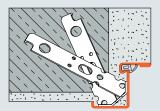
Corner frame

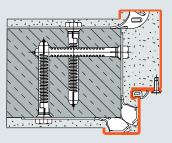
Corner frame with counter frame

Fitting situation

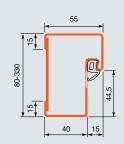


Fitting with grouting lugs / anchor brackets

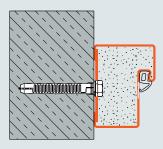




Fitting with grouting lugs / anchor brackets



Block frame type 1



Fitting in the opening

Arena Maracana, Rio de Janeiro, Brasil Architects: Fernandes Arquitetos & Associados









Hörmann products Internal doors ZK Steel doors D45 Multi-purpose doors D65 Steel fire-rated doors HBS 60 Steel fire-rated doors HBS 90

Fire-Rated Door HBS 60 C-1 / -2 Single and double-leaf





Thin rebate Door leaf 55 mm thick

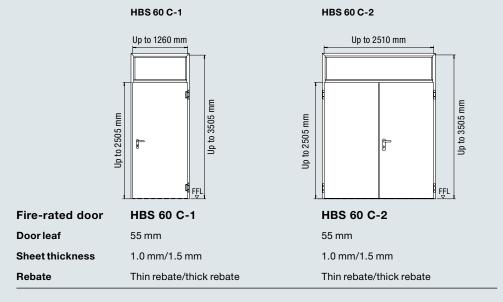
Thick rebate Door leaf 55 mm thick





Hörmann was the first manufacturer who received confirmation of the sustainability of all its multi-function doors through an environmental product declaration (EPD)* in accordance with ISO 14025 from the Institut für Fenstertechnik (ift – Institute of window technology) in Rosenheim.





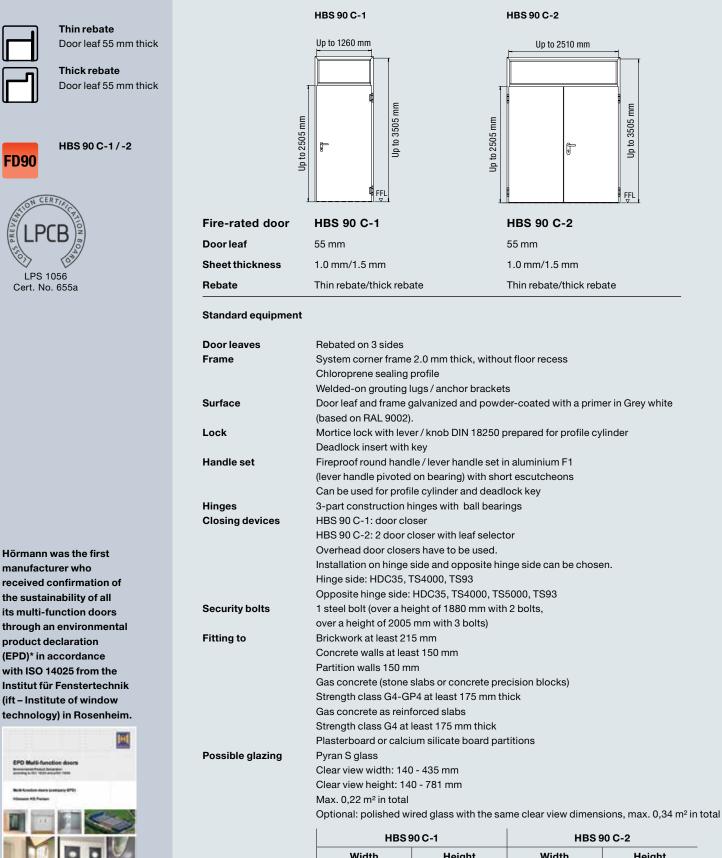
Standard equipment

Door leaves	Rebated on 3 sides
Frame	System corner frame 2.0 mm thick, without floor recess
	Chloroprene sealing profile
	Welded-on grouting lugs / anchor brackets
Surface	Door leaf and frame galvanized and powder-coated with a primer in Grey white
	(based on RAL 9002).
Lock	Mortice lock with lever / knob DIN 18250 prepared for profile cylinder
	Deadlock insert with key
Handle set	Fireproof round handle / lever handle set in aluminium F1
	(lever handle pivoted on bearing) with short escutcheons
	Can be used for profile cylinder and deadlock key
Hinges	3-part construction hinges with ball bearings
Closing devices	HBS 60 C-1: door closer
	HBS 60 C-2: 2 door closer with leaf selector
	overhead door closers have to be used
Security bolts	1 steel bolt (over a height of 1880 mm with 2 bolts,
	over a height of 2005 mm with 3 bolts)
Fitting to	Brickwork at least 215 mm thick
	Concrete or concrete block walls at least 150 mm thick
	Autoclaved aerated concrete block walls, minimum 600 kg/m ³ density,
	at least 215 mm thick
	Plasterboard or calcium silicate board partitions
Possible glazing	Georgian-wired glass
	Clear view width: 140 - 522 mm
	Clear view height: 140 - 937 mm
	Max. 0.40 m ² in total

	HBS 60 C-1		HBS 60 C-2	
	Width Height		Width	Height
Structural opening (ordering size)	635 - 1260	1755 - 2505	1385 - 2510	1755 - 2505
Maximum structural opening with transom panel		- 3505		- 3505

Fire-Rated Door HBS 90 C-1 / -2 Single and double-leaf





	Width Height		Width	Height
Structural opening (ordering size)	635 - 1260	1755 - 2505	1385 - 2510	1755 - 2505
Maximum structural opening with transom panel		- 3505		- 3505

ift

Fire-Rated Doors HBS 90 D-1, HBS 90 F-2

ift

Beatly areas



Single and double-leaf oversized doors

		HBS 90 D-1	HBS 90 F-2	
Thin rebate		Up to 1510 mm	Up to 3010 mm	
HBS 90 D-1 FD90 HBS 90 F-2		L D to 3255 mm	日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日	
	Fire-rated door	HBS 90 D-1	HBS 90 F-2	
	Doorleaf	65 mm	78 mm	
SSE AN	Sheet thickness	1.5 mm	1.5 mm	
LPS 1056				
Cert. No. 655a	Rebate	Thin rebate	Thin rebate	
	Standard equipment			
	Doorleaves	Rebated on 3 sides		
	Frame	System corner frame 2.0 mm thick, with Chloroprene sealing profile Welded-on grouting lugs / anchor brack		
	Surface	Door leaf and frame galvanized and pow (based on RAL 9002).		
	Lock	Mortice lock with lever / knob DIN 18250 prepared for profile cylinder Deadlock insert with key		
	Handle set	Fireproof round handle / lever handle set (lever handle pivoted on bearing) with short escutcheons Can be used for profile cylinder and deadlock key 3-part construction hinges with ball bearings HBS 90 D-1 : door closer HBS 90 F-2: 2 door closer with leaf selector		
	Hinges Closing devices			
Hörmann was the first nanufacturer who received confirmation of		Overhead door closers have to be used. Installation on hinge side and opposite H Hinge side: TS4000		
the sustainability of all ts multi-function doors through an environmental	Security bolts	Opposite hinge side: TS4000 1 steel bolt (over a height of 1880 mm w over a height of 2005 mm with 3 bolts) HBS 90 F-2: 3 steel bolts	ith 2 bolts,	
product declaration (EPD)* in accordance with ISO 14025 from the Institut für Fenstertechnik	Fitting to	Brickwork at least 215 mm Concrete walls at least 150 mm Partition walls 150 mm		
(ift – Institute of window technology) in Rosenheim. M		Gas concrete (stone slabs or concrete p Strength class G4-GP4 at least 175 mm Gas concrete as reinforced slabs Strength class G4 at least 175 mm thick	thick	
EPD Meth-function doors ansamplic transformation ansamplic transformation and function doors (and party Advances of the function	Possible glazing for HBS 90 D-1	Promaglas 90 Clear view width: 140 - 1080mm Clear view height: 140 - 2085mm Max. 2,25m² in total		
		HBS 90 D-1	HBS 90 F-2	

	HD3 90 D-1		HD3 90 F-2	
	Width	Height	Width	Height
Structural opening (ordering size)	635 - 1510	1755 - 3255	1385 - 3010	1755 - 3255

Fire-Rated door HBS 120 C-1 / -2 Single and double-leaf





Fire-Rated Doors HBS 60 C-1 / -2, HBS 90 C-1 / -2, HBS 90 D-1, HBS 90 F-2, HBS 120 C-1 / -2

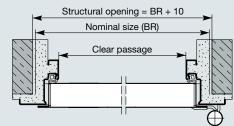
Standard sizes

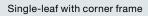
Standard sizes with corner frame

HBS 60 C-1 Single-leaf	HBS 60 C-2 Double-leaf
Structural opening (ordering size)	Structural opening (ordering size)
800 x 2000	1600 x 2000
900 x 2000	1600 x 2100
1000 x 2000	1600 x 2200
1000 x 2100	1600 x 2500
1000 x 2200	1800 x 2000
1100 x 2100	1800 x 2100
1100 x 2200	1800 x 2200
1100 x 2500	1800 x 2500
1200 x 2100	2000 x 2000
1200 x 2200	2000 x 2100
1250 x 2500	2000 x 2200
	2000 x 2500
	2200 x 2100
	2200 x 2200
	2400 x 2200
	2500 x 2500

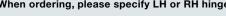
HBS 90 C-1 HBS 120 C-1 Single-leaf	HBS 90 C-2 HBS 120 C-2 Double-leaf
Structural opening (ordering size)	Structural opening (ordering size)
800 x 2000	1600 x 2000
900 x 2000	1600 x 2100
1000 x 2000	1600 x 2200
1000 x 2100	1600 x 2500
1000 x 2200	1800 x 2000
1100 x 2100	1800 x 2100
1100 x 2200	1800 x 2200
1100 x 2500	1800 x 2500
1200 x 2100	2000 x 2000
1200 x 2200	2000 x 2100
1250 x 2500	2000 x 2200
	2000 x 2500
	2200 x 2100
	2200 x 2200
	2400 x 2200
	2500 x 2500

HBS 90 D-1 and HBS 90 F-2 are not subdivided into standard sizes. There are only special sizes according to the order.



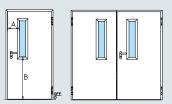


When ordering, please specify LH or RH hinged.

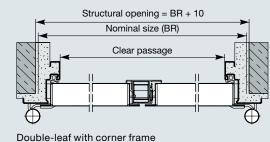


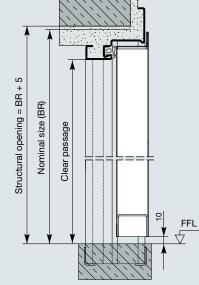
LH hinged

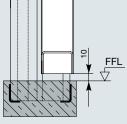




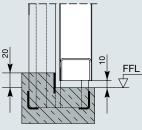
Glazing view 1 Clear view 140 x 815







Door bottom edge for flat floor as standard

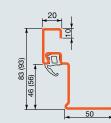


Door bottom edge with stepped threshold, on request or on site

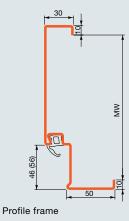
Fire-Rated Doors HBS 60 C-1 / -2, HBS 90 C-1 / -2, HBS 90 D-1, HBS 90 F-2, HBS 120 C-1 / -2

Frame types and fitting situations according to the corresponding assessment reports

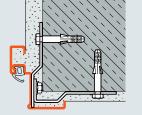
Frame type



Corner frame



Fitting situation



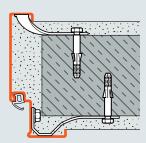
Fitting to brickwork Anchor bracket for brickwork



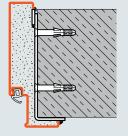
Fitting to unplastered brickwork or concrete with anchor brackets



Fitting to gas concrete



Fitting to brickwork Anchor bracket for brickwork



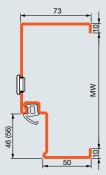
Fitting to unplastered brickwork or concrete



Fitting to unplastered brickwork or concrete



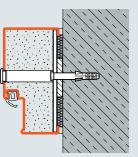
Corner frame with counter frame



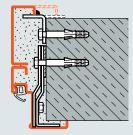
Block frame B 73



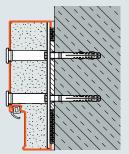
Fitting to brickwork Anchor bracket for brickwork



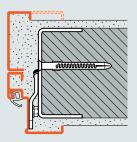
Fitting in the opening Anchor bracket up to MW 205 mm



Fitting to unplastered brickwork or concrete



Fitting in the opening Anchor bracket from MW 205 mm



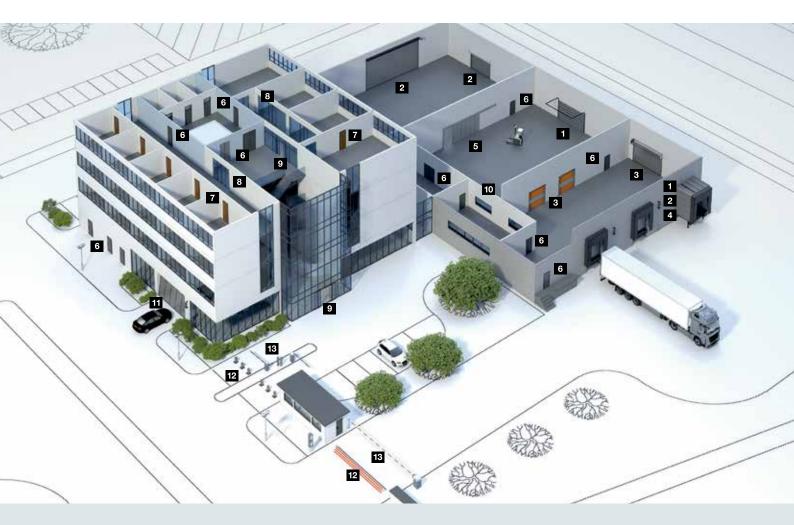
Fitting to gas concrete

Hörmann Product Range

Everything from a single source for your construction project



Quick service with testing, maintenance and repairs Our extensive service network means that we are always nearby and at your service around the clock.





Sectional doors



Rolling shutters and rolling grilles





High-speed doors



Loading technology



Steel and stainless steel sliding doors

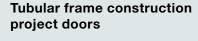


Steel and stainless steel construction project doors



Steel frames with high-quality timber function doors from Schörghuber







Automatic sliding doors



Visibility window



Collective garage doors



Perimeter Protection Systems



Barrier and pay station systems

Hörmann: Quality without Compromise



Hörmann KG Amshausen, Germany



Hörmann KG Dissen, Germany



Hörmann KG Werne, Germany





Hörmann Alkmaar B.V., Netherlands

Hörmann KG Eckelhausen, Germany

Hörmann KG Antriebstechnik, Germany





Hörmann Legnica Sp. z o.o., Poland

Hörmann KG Freisen, Germany





Hörmann Tianjin, China

Hörmann LLC, Montgomery IL, USA

Hörmann is the only manufacturer worldwide that offers you

a complete range of all major building products from one source.

We manufacture in highly-specialised factories using the latest

and service companies throughout Europe, and activities in the

USA and Asia, make Hörmann your strong partner for first-class building products, offering "Quality without Compromise".

production technologies. The close-meshed network of sales

Hörmann Flexon LLC, Burgettstown PA, USA Shakti Hörmann Pvt. Ltd., India

GARAGE DOORS **OPERATORS** INDUSTRIAL DOORS LOADING EQUIPMENT HINGED DOORS DOOR FRAMES







Hörmann KG Ichtershausen, Germany

