



STEEL DOORS

NEW. Elegant double-leaf MZ Thermo65 for increased clear passage width

HÖRMANN





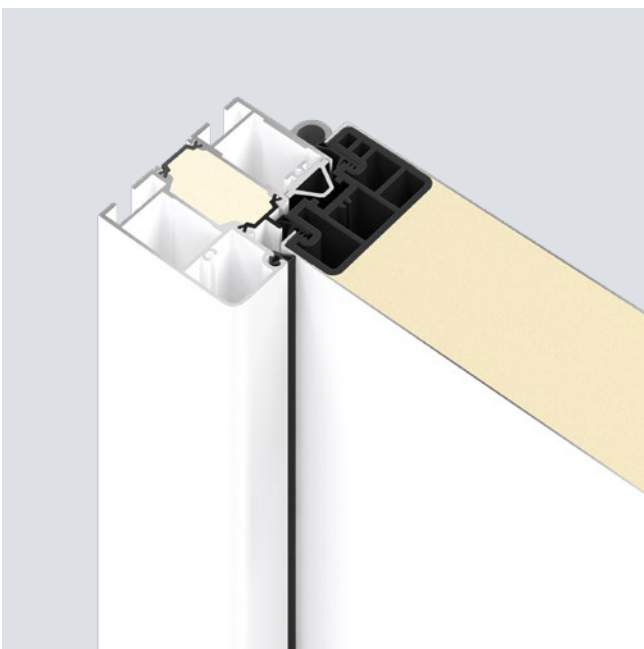
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Good reasons
to try Hörmann



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Application areas



20

Versions
Equipment
Technology

Responsibility for generations

The Hörmann family business has over 85 years of experience as a construction component specialist. This gives us an obligation to both current and future generations. That's why environmental responsibility plays such an important role for us. With this in mind, we develop innovative solutions for sustainable products and intelligent environmental protection.



“A GOOD REPUTATION MUST BE EARNED.”

August Hörmann

In keeping with the tradition started by the company's founder, the Hörmann brand is a true promise of quality and, with sales of over 20 million doors and operators, is one of Europe's most successful suppliers. Due to the comprehensive international sales and service network, Hörmann is your strong partner for high-quality construction components.



WE THINK AND ACT GREEN. As a family business, we are very conscious of our responsibility to future generations and offer all products for residential construction CO₂-neutral as standard. The Hörmann sustainability strategy aims to reduce and avoid emissions. We cover 100% of our electrical power needs at all European production sites with genuine green electricity from renewable sources. We also apply many other measures to reduce our consumption and save more than 75000 tonnes of CO₂ each year. We work with ClimatePartner to offset the remaining emissions by supporting certified climate protection projects.



You can find further information at
www.hoermann.com/sustainability



ClimatePartner
certified product
climate-id.com/XNEBKC



CO₂
measure
reduce
contribute

Brand quality made in Germany



The family-owned company Hörmann offers all important construction components for building and renovating projects from a single source. We manufacture in highly specialised factories using state-of-the-art production technologies. Our employees work intensively on new products, continual further developments and improvements to details. The results are patents and one-of-a-kind products you can depend on.



LONG-LASTING. GUARANTEED. All doors are developed and manufactured by Hörmann. Endurance tests under real conditions ensure mature series products with Hörmann quality.



Certified security features
up to resistance class RC4



High acoustic insulation
Up to 42 dB



Excellent thermal insulation
Up to 0.85 W/(m²·K)



EI₂30
Fire-retarding

BREAK-IN-RESISTANT RC2 SECURITY FEATURES.

The security doors KSI 40-1 / KSI Thermo46 are available with approved, break-in-resistant RC2 security features as standard. For you, this means feeling even more secure in your own home.

UP TO 49% IMPROVED THERMAL INSULATION. You are looking for basement and side doors with the same thermal insulation as your entrance door? Then our security door KSI Thermo46 and multi-purpose doors MZ Thermo46 and MZ Thermo65 are the right choice for you: The MZ Thermo65 provides up to 49% better thermal insulation than conventional multi-purpose doors.

EXPERTISE IN FIRE PROTECTION. For decades, fire-rated doors have been providing ultimate security for boiler rooms, oil tank rooms or between the garage and house. These doors are the best example of how you can benefit from Hörmann's expertise in fire protection.

→ For further information, see from page 22.

Security door KSI Thermo46

EXTERNAL DOOR FOR BASEMENTS, HEATED OUTBUILDINGS AND GARAGES WITH ACCESS TO THE HOUSE. Thanks to the door leaf and frame with thermal break, security door KSI Thermo46 offers the best thermal insulation and reduces the risk of condensation forming in heated rooms. The break-in-resistant RC2 security features mean you can also feel secure in your home.

→ For further information, see from page 24.





Fire-rated door FS Thermo65

EXTERNAL DOOR COMPLYING WITH FIRE PROTECTION REQUIREMENTS, FOR EXAMPLE, THE TRANSITION FROM THE GARAGE TO THE HOUSE. The FS Thermo65 not only withstands a fire for at least 30 minutes but, thanks to a thermal break, it also offers up to 49% better thermal insulation and reduces the risk of condensation forming on the door leaf in heated rooms.

→ For further information, see from page 26.

Multi-purpose doors

MZ Thermo65 / MZ Thermo46

EXTERNAL DOORS FOR BASEMENTS, HEATED OUTBUILDINGS, GARAGES WITH ACCESS TO THE HOUSE AS WELL AS WORKSHOPS AND HOBBY ROOMS.

The MZ Thermo65 / MZ Thermo46 are more than just extremely robust. Thanks to their thermal break, they offer up to 49% better thermal insulation and reduce the risk of condensation forming in heated rooms. They are available with or without glazing as well as in numerous colours and with Decograin surface finish. **NEW.** The double-leaf MZ Thermo65 with elegant door view is the ideal choice for increased clear passage width.

→ For further information, see from page 28.





Acoustic-rated door Thermo65

EXTERNAL DOOR FOR BLOCKS OF FLATS. Particularly in the case of doors for walkways in residential complexes, it is important to have sufficient acoustic insulation and good thermal insulation, as they allow external access, for example, to individual flats in a residential building. The Thermo65 with acoustic rating category 3 and door leaf and frame with thermal break is ideal for this purpose.

→ For further information, see from page 28.



Security door KSI 40-1

EXTERNAL DOOR FOR BASEMENTS, UNHEATED OUTBUILDINGS AND DETACHED GARAGES. These areas of properties are often equipped with old doors that can be forced open in seconds. Always remember: if the basement door is open, the whole house is accessible. This is why we recommend security door KSI 40-1 with standard security features for these areas.

→ For further information, see from page 32.

Function door H3 OD

INTERNAL DOOR / EXTERNAL DOOR FOR FIRE PROTECTION REQUIREMENTS, E.G. FOR SECURED PASSAGE FROM THE GARAGE INTO THE HOUSE. Due to fire hazards in garages, a fire-rated door between the house and garage is required by law. The steel construction project door H3 OD is the best choice for this sensitive area. On request, this door can also act as a seal against smoke and engine noise and additionally protects your family from burglars with its security features.

→ For further information, see from page 34.





Fire-rated door H8-5

INTERNAL DOOR FOR FIRE PROTECTION REQUIREMENTS. The fire-rated door H8-5 is Europe's best-selling boiler room door and has been providing optimum safety for boiler rooms and rooms with oil tanks for decades.

→ For further information, see from page 36.

Multi-purpose door MZ

INTERNAL AND EXTERNAL DOOR FOR UNHEATED OUTBUILDINGS, TOOL SHEDS AND STORAGE AREAS. Proven for over four decades, the multi-purpose door MZ is stable, durable and weather-resistant, making it ideal for inside and outside applications. The MZ comes in a single-leaf or double-leaf version and is available with glazing on request.

→ For further information, see from page 36.





Multi-purpose door ZK

INTERNAL AND EXTERNAL DOOR FOR BASEMENTS, GARAGES OR OUTBUILDINGS. The multi-purpose steel door ZK is ideal for inside and outside applications. The thick rebate version provides an elegant door view that works particularly well with rebated internal doors. The door is also robust, dimensionally stable and durable. This is Hörmann quality at an attractive price.

→ For further information, see from page 38.

Internal door ZK

INTERNAL DOOR FOR BASEMENTS, CHILDREN'S BEDROOMS AND ACCESS TO UNRENOVATED LOFTS. Over many years, ZK doors have proven themselves as robust doors in houses and blocks of flats. The double-leaf version impresses with a flush-fitting transition between the traffic leaf and the fixed leaf without a visible centre rail. The doors feature a robust design that does not warp and, thanks to their high-quality surface finish, they are durable, resistant to stains and therefore easy to clean.

→ For further information, see from page 40.





Internal door OIT 40

INTERNAL DOOR FOR OFFICES, WORKSHOPS

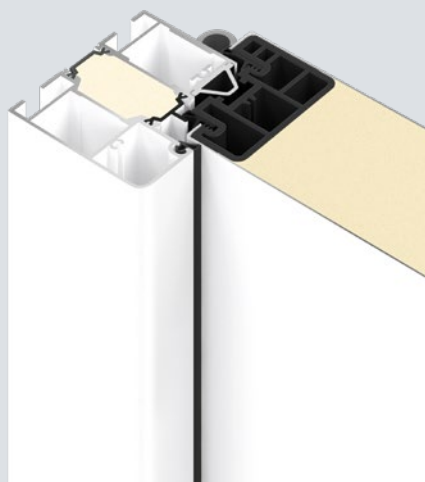
AND SCHOOL ROOMS. The high-quality internal doors OIT 40 are particularly robust, dimensionally stable and durable. They are recommended for tough everyday use in industrial and commercial buildings, workshops, administrative buildings, schools and barracks. Thanks to the different infill variants, they also fulfil the special requirements of acoustic insulation and thermal insulation. The internal door OIT 40 can also be combined with the steel case frame VarioFix for easy fitting. The matching visibility windows VarioFix provide more light in hallways.

→ For further information, see from page 40.





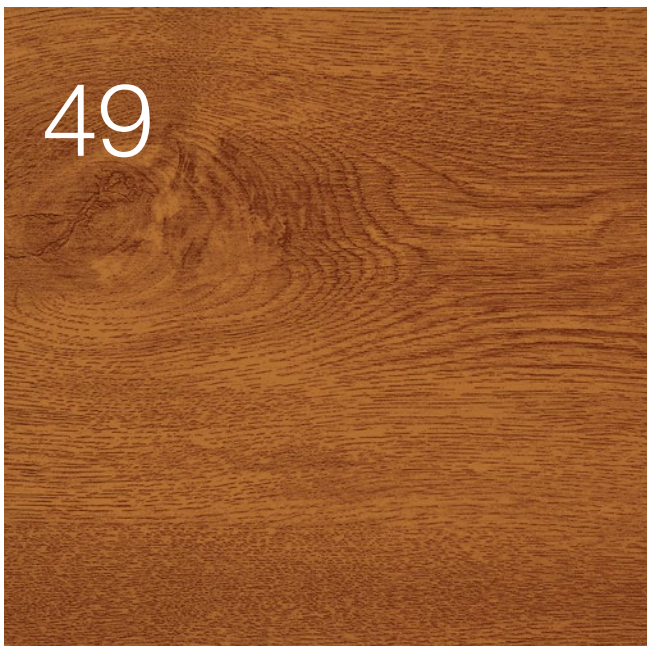
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Door overview

Functions, performance characteristics, size ranges

Door type	KSI Thermo46	FS Thermo65	MZ Thermo65	MZ Thermo46	Thermo65 acoustic insulation
Internal door					
 External door for unheated buildings					
 External door for heated buildings	■	■	■	■	■
Version	Single-leaf	Single-leaf	Single- / double-leaf	Single-leaf	Single-leaf
 T30 fire-retarding					
 El230 fire-retarding		★★★			
 S200 smoke-tight		★★★			
 Thermally insulated	★★	★★★★	★★★★	★★	★★★★
 Acoustic-rated	★	★★		★★	★★★
 S_a sealed		★★★			
 Break-in-resistant	★★		★	★	☆☆
Door set					
Door leaf thickness	46 mm	65 mm	65 mm	46 mm	65 mm
Sheet thickness	0.6 – 0.8 mm	0.6 – 0.8 mm	0.6 – 0.8 mm	0.6 – 0.8 mm	0.8 mm / 1.5 mm
Rebate type	Thick rebate	Thick rebate	Thick rebate	Thick rebate	Thick rebate
Door leaf and frame with thermal break	●	●	●	●	●
Performance characteristics					
Resistance class	RC2				RC2 (optional)
Thermal insulation	1.1 W/(m²·K)	0.85 – 1.1 W/(m²·K)	0.87 – 1.0 W/(m²·K)	1.1 – 1.6 W/(m²·K)	0.95 W/(m²·K)
Acoustic insulation	Up to 29 dB	Up to 32 dB	Up to 31 dB	Up to 32 dB	Up to 42 dB
Self-closing		C5			
Water tightness under heavy rain – opening inwards	1A	3A			3A
Resistance to wind load	C3	C3 / B3	C3 / B3	C3 / B3	
Air permeability	Class 2	Class 2	Class 2	Class 2	Class 4
Differential climate behaviour	3 (c), 2 (d), 2 (e)	3 (c), 2 (d), 2 (e)			2 (d), 2 (e)
Climatic class					
Duty category					
Fitting in					
Brickwork	≥ 115 mm	≥ 175 mm	●	●	●
Concrete	≥ 100 mm	≥ 175 mm	●	●	●
Gas concrete			●	●	●
Size range					
Nominal size width	832 – 1250 mm	850 – 1250 mm	700 – 1250 mm	700 – 1250 mm	700 – 1250 mm
Nominal size height	1875 – 2250 mm	1750 – 2250 mm	1750 – 2250 mm	1750 – 2250 mm	1875 – 2250 mm

Main functions (as standard): ★★★ Top ★★ Very good ★ Good


Additional function (with corresponding equipment): ☆☆☆ Top ☆☆ Very good ☆ Good

KSI 40-1	H3 OD	H8-5	MZ	Multi-purpose ZK	ZK	OIT 40
	■	■	■	■	■	■
■	■		■	■		
Single-leaf	Single-leaf	Single-leaf / hatch	Single- / double-leaf	Single-leaf	Single- / double-leaf	Single- / double-leaf
	★★★	★★★				
	★★★					
	☆☆☆	☆☆☆				
★	★	★	★	★		★
	☆☆☆	★★	★★	★		☆☆
	★★★					
★★	☆☆☆	★	★	★		☆☆
40 mm	65 mm	45 mm	45 mm	40 mm	40 mm	40 mm
0.8 mm	1.0 / 1.5 mm	0.9 mm	0.9 mm	0.8 mm	0.6 mm	0.8 mm
Thick rebate	Thin / thick rebate	Thin rebate	Thin rebate	Thick rebate	Thick rebate	Thick rebate
RC2	RC4 (optional)					RC2 (optional)
1.7 W/(m²·K)	1.5 – 1.7 W/(m²·K)	1.7 W/(m²·K)	1.7 W/(m²·K)	1.6 W/(m²·K)	2.1 W/(m²·K)	1.7 W/(m²·K)
	32 – 43 dB	Up to 39 dB	Up to 39 dB			Up to 38 dB
	C5					
	Unprotected 3A					
	C3					
	Class 4					
III					III	III
S					S	S
≥ 115 mm	≥ 115 mm	≥ 115 mm	●	●	●	●
≥ 100 mm	≥ 100 mm	≥ 100 mm	●	●	●	●
	≥ 150 mm		●	●	●	●
625 – 1250 mm	500 – 1500 mm	625 – 1000 mm	625 – 1250 mm	No special sizes	625 – 1250 mm	625 – 1250 mm
1700 – 2250 mm	500 – 2500 mm	800 – 2125 mm	1570 – 2134 mm	No special sizes	2000 – 2125 mm	2000 – 2125 mm


External doors with thermal break

Security door KSI Thermo46

	KSI Thermo46
Fire-retarding	
Smoke-tightness	
Thermal insulation	★★
Acoustic insulation	★
Break-in resistance equipment	★★



30% improved thermal insulation
compared to a conventional security door

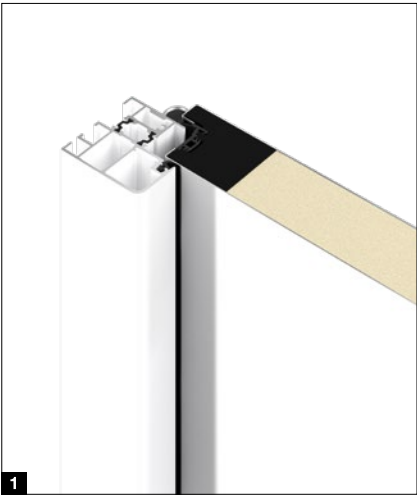


External door for heated rooms

The classification of the individual doors shows you at a glance which functions the respective door fulfils and to what extent.

Main functions (as standard):
★★★★ Top ★★ Very good ★ Good

Additional function (with corresponding equipment): ★★★★★ Top
★★★★ Very good ★ Good



The same thermal insulation as with entrance doors

These days, saving energy is important throughout the entire home. The door leaf, frame and threshold with thermal break prevent condensation forming in heated rooms. Thanks to the 46 mm thick door leaf **1** with PU rigid foam infill and the double seals on all four sides, the KSI Thermo46 has a thermal insulation value normally only found with entrance doors.

Securing excellent properties

Basement and side doors are often weak spots when it comes to security. In this respect, the KSI Thermo46 offers the best equipment as well: 1 lock bolt **2** and 2 conical swing bolts with 2 additional security bolts **3** engage in the frame's lock plates and firmly pull the door shut. 3 further security bolts **4** and 3 guide rollers **5** on the hinge side make it practically impossible to force the door open.



RC2 security
Tested and certified


The opportunist burglar attempts to break open the locked door with simple tools within 3 minutes.




External doors with thermal break

Fire-rated door FS Thermo65

	FS Thermo65
Fire-retarding	★★★
Smoke-tightness	★★★
Thermal insulation	★★★
Acoustic insulation	★★
Break-in resistance equipment	★



49% improved thermal insulation compared to a conventional fire-rated door

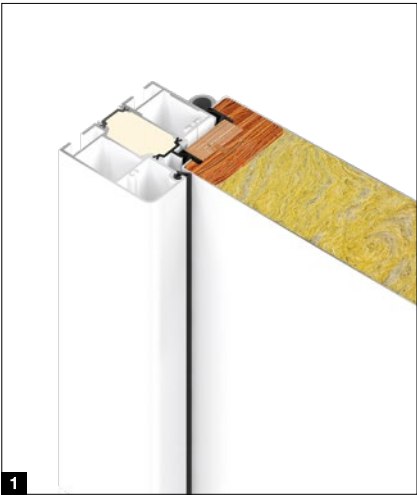


External door for heated rooms

The classification of the individual doors shows you at a glance which functions the respective door fulfils and to what extent.

Main functions (as standard):
★★★ Top ★★ Very good ★ Good

Additional function (with corresponding equipment): ★★★★★ Top
★★★★ Very good ★★ Good



Fire-rated door FS Thermo65

The 65 mm thick door leaf **1** without glazing offers a particularly high U_D -value of up to $0.85 \text{ W}/(\text{m}^2 \cdot \text{K})$ and excellent thermal insulation. The fire-rated door withstands a fire for at least 30 minutes, making it the ideal solution for the transition from the garage to your living area (e.g. entrance hallway).

High thermal insulation

The door leaf of the fire-rated door FS Thermo65 is filled with mineral wool, the frame and threshold have thermal breaks. This and the all-round double seals on all four sides make sure the door is perfectly sealed and provides high thermal insulation.

High-quality equipment

For self-closing, the fire-rated door FS Thermo65 is equipped with the Hörmann slide rail door closer HDC 35-1 **2** as standard. The doors can be optimally adjusted using the 3-way adjustable guide rollers **3**.

Individual door styles

The fire-rated doors FS Thermo65 are available in 4 styles each with single-point locking and black lever handle set **4** – **7** or with multiple-point locking and stainless steel handle HB 14-2 **8** or HB 38-2 **9**.

4 Solid style

5 Style with 7 ribs on exterior

6 Style with 3 ribs on exterior

7 Style with frameless glazing (satin-finished glass)



8 Stainless steel handle
HB 14-2, handle length
330 mm



9 Stainless steel handle
HB 38-2, handle length
1000 mm


External doors with thermal break

Multi-purpose doors MZ Thermo65 / MZ Thermo46, acoustic-rated door Thermo65

	MZ Thermo65	MZ Thermo46	Thermo65 Acoustic insulation
Fire-retarding			
Smoke-tightness			
Thermal insulation	★★★	★★	★★★
Acoustic insulation		★★	★★★
Break-in resistance equipment	★	★	☆☆



49% improved thermal insulation
MZ Thermo65 compared to a conventional multi-purpose door

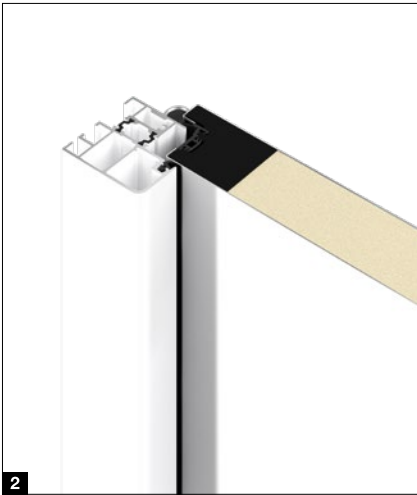


External door for heated rooms

The classification of the individual doors shows you at a glance which functions the respective door fulfils and to what extent.

Main functions (as standard):
★★★ Top ★★ Very good ★ Good

Additional function (with corresponding equipment):
☆☆ Top ☆☆ Very good ★ Good



High thermal insulation

Minimise heat losses permanently: The door leaf, frame and threshold with thermal break prevent condensation forming in heated rooms. The all-round double seals on all four sides make sure the doors are perfectly sealed and provide high thermal insulation.

Stability and functionality

The doors are exceptionally stable and robust thanks to the solid door leaf. They can be optimally adjusted using the 3-way adjustable guide rollers **3**.

Multi-purpose doors MZ Thermo65 / MZ Thermo46

The 65 mm thick door leaf **1** of the MZ Thermo65 impresses with a particularly high U_D -value of up to $0.87 \text{ W}/(\text{m}^2\cdot\text{K})$ and offers up to 49% better thermal insulation compared to conventional multi-purpose doors. The MZ Thermo46 has a 46 mm thick door leaf **2** and provides a thermal insulation value of up to $1.1 \text{ W}/(\text{m}^2\cdot\text{K})$.

To enable you to use daylight in your workshop or hobby room, the MZ Thermo65 / MZ Thermo46 not only comes in the full-surface style MZTHP / MZTPS 010 (shown on left) but also in the glazed styles MZTHP / MZTPS 020S **4** with Roundstyle frame **5** and satin-finished glass, MZTHP / MZTPS 050S **6** with profile style frame **7** and satin-finished glass or MZTHP / MZTPS 050F **6** with clear glass.

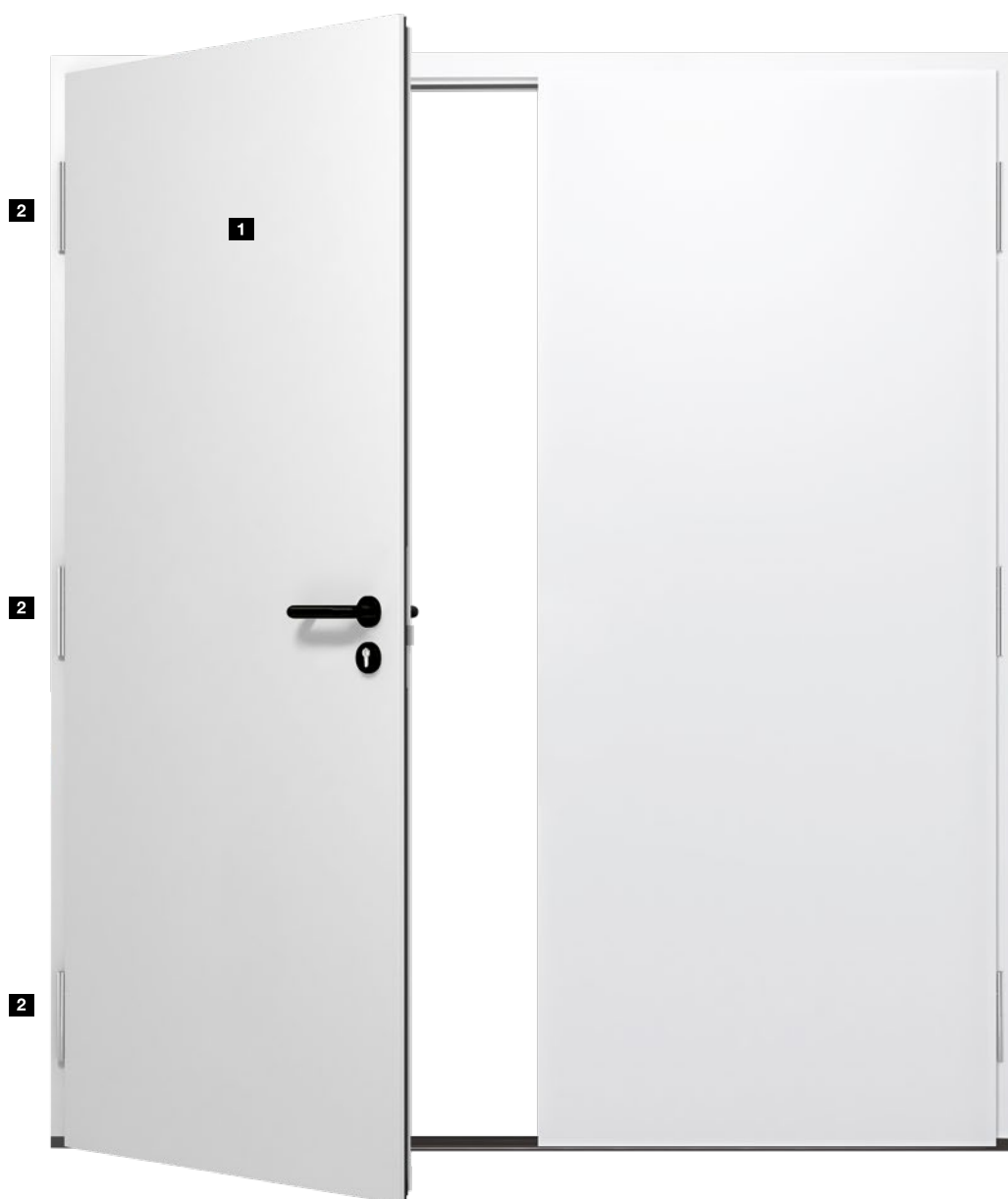
Acoustic-rated door Thermo65

The acoustic-rated door Thermo65 is available in a full-surface style **8** or in a style with frameless glazing **9**. The 65 mm thick door leaf impresses with a great U_D -value of up to $0.95 \text{ W}/(\text{m}^2\cdot\text{K})$ and excellent acoustic insulation. With the standard threshold, the doors achieve acoustic rating category 3 (42 dB) and acoustic rating category 2 (37 dB) with the optional retractable bottom seal. They provide protection against street noise as well as wind and weather: the ideal door – not only for entrance doors in blocks of flats with walkways.



External doors with thermal break

Double-leaf multi-purpose door MZ Thermo65



Efficient thermal insulation for your home

The Thermo65 features high thermal insulation to permanently reduce heat loss. The door leaf, frame and threshold are equipped with thermal break to reduce the risk of condensation in heated rooms. The all-round double seals on all four sides make sure the doors are perfectly sealed and provide high thermal insulation.

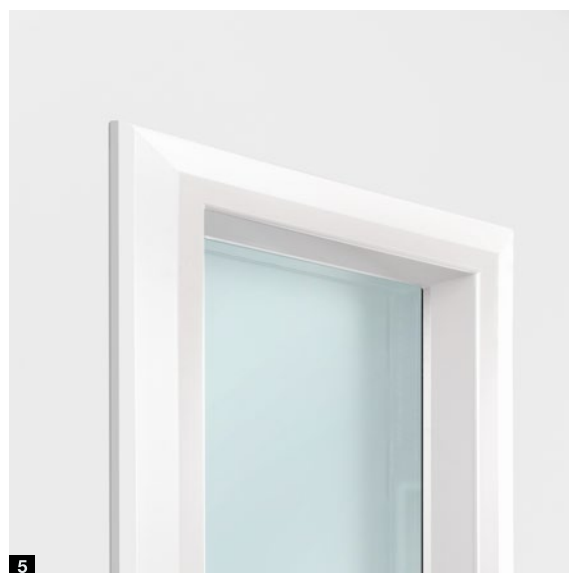
Robust and versatile

The doors are very durable thanks to the fully filled door leaves. The doors can be ideally adjusted thanks to the 3-way adjustable guide rollers ².

Double-leaf multi-purpose doors MZ Thermo65

The MZ Thermo65 has a 65 mm thick door leaf ¹ with an impressive U_D -value of up to $0.87 \text{ W}/(\text{m}^2 \cdot \text{K})$. It offers up to 49% better thermal insulation compared to conventional multi-purpose doors.

The double-leaf MZ Thermo65 offers various design options for allowing natural light into your workshop or hobby room. In addition to the solid style MZTHP 010 (shown left), you can also choose the glazed style MZTHP 020S ³ with a Roundstyle frame ⁵ and satin-finished glass. The traffic leaf can be combined with a glazed fixed leaf to allow even more light into the room ⁴.



External doors

Security door KSI 40-1

KSI 40-1

Fire-retarding	
Smoke-tightness	
Thermal insulation	★
Acoustic insulation	★★
Break-in resistance equipment	★★



External door for unheated rooms

The classification of the individual doors shows you at a glance which functions the respective door fulfils and to what extent.

Main functions (as standard):
★★★★ Top ★★ Very good ★ Good

Additional function (with corresponding equipment):
★★★★ Top
★★ Very good ★ Good



Sturdy door leaf

The KSI 40-1 features a double-skinned, 40 mm thick door leaf with 3-sided thick rebate and sheet steel on both sides (0.8 mm). The stability of the door leaf is a result of the all-round reinforcement frame and the mineral wool insert which is glued over the entire surface. A 3-sided EPDM seal **1** and double lip seal (incl. aluminium semi-circular threshold as a bottom edge) seal the door reliably. This means you can always rely on the door in terms of function and tightness. Hörmann offers this door as a complete door set with frame.

High security

The standard security of the KSI 40-1 lets you and your family sleep peacefully, as it comes with pull-off protection and a drill-resistant security lever / knob handle set and lock bolt. The solid steel bolts **4** on the hinge side make it almost impossible to force the door open. The door is equipped with a 3-part hinge **5** as standard. A 3-way adjustable VX hinge **6** is optionally available. The KSI 40-1 has been tested in accordance with European standard DIN EN 1627 on the opening and closing side and has resistance class 2.



RC2 security
Tested and certified

The opportunist burglar attempts to break open the locked door with simple tools within 3 minutes.



Internal doors, external doors

Function door H3 OD

	Multi- function H3 OD
Fire-retarding	★★★
Smoke-tightness	☆☆☆
Thermal insulation	★
Acoustic insulation	☆☆☆
Break-in resistance equipment	☆☆☆



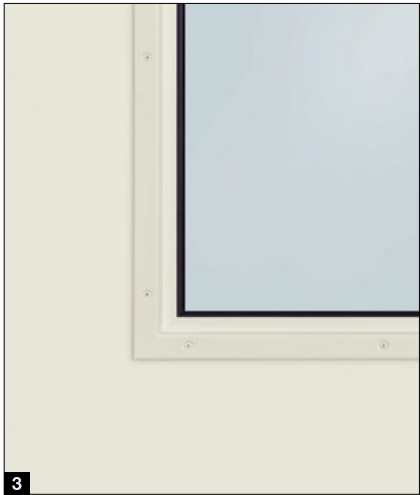
External door for
unheated rooms

The choice of an internal or external door depends on the fitting situation (protected / unprotected) and on the requirements of the performance characteristics.

The classification of the individual doors shows you at a glance which functions the respective door fulfils and to what extent.

Main functions (as standard):
★★★ Top ★★ Very good ★ Good

Additional function (with corresponding equipment): ☆☆☆ Top
☆☆ Very good ★ Good



Door leaf glued over the entire surface

The fully bonded composite construction of the door leaf ensures particularly high stability. It makes sure that the door always closes securely and accurately with a satisfying noise. The risk of door leaf warping or unevenness is virtually eliminated by the permanently flush surface.

Rebate and door leaf on request

The fire-rated door H3 OD is supplied in the thin rebate version **1** as standard. The door is also available in a thick rebate version **2** on request for a matching appearance with your internal doors.

With optional glazing

The H3 OD is also available with fire-proof glass **3** on request to allow more light into the room. These doors are equipped with an additional overhead door closer.

Self-closing function as standard

The self-closing function is realised by a stable, robust spring hinge **4** or Hörmann slide rail door closer HDC 35 **5** (depending on equipment and size). This makes every fire-rated or smoke-tight door a reassuring purchase.

A frame for all wall types

The steel construction project door H3 OD is fitted quickly, easily and flexibly with the universal corner frame A type 2 **6** as standard. Thanks to the diagonal or anchor plate, the frame can be fitted in almost all fitting situations and wall types. The universal corner frame can be easily upgraded to a profile frame with the Vario B53 C type 1 counter frame **7**.



Internal doors, external doors

Fire-rated door H8-5, multi-purpose door MZ

	Fire protection H8-5*	Multi-purpose MZ
Fire-retarding	★★★	
Smoke-tightness	☆☆☆	
Thermal insulation	★	★
Acoustic insulation	★★	★★
Break-in resistance equipment	★	★



External door for unheated rooms
Multi-purpose door MZ

* The fire protection properties only apply to interior walls.

The classification of the individual doors shows you at a glance which functions the respective door fulfils and to what extent.

Main functions (as standard):
★★★ Top ★★ Very good ★ Good

Additional function (with corresponding equipment): ☆☆☆ Top
☆☆ Very good ★ Good



Dual handed

The multi-purpose door MZ and the fire-rated door H8-5 are suitable for left-hand hinged door opening (hinges on the left side of the door) and right-hand hinged door opening (hinges on the right side of the door) by simply turning the door set. In addition, the bottom threshold rail is easy to remove if fitted with a continuous floor.

Stable door set with door frame

This ready-to-fit complete set is especially robust thanks to a double-skinned, 45 mm thick door leaf with thin rebate on both sides, mineral wool infill and steel reinforcement. The 2 mm thick corner frame with all-round seal **1** reliably seals the doors. This means you can always rely on the door in terms of function and tightness. The lock and the black lever handle set **2** can be used with profile cylinders and deadlock keys. One deadlock key is provided.

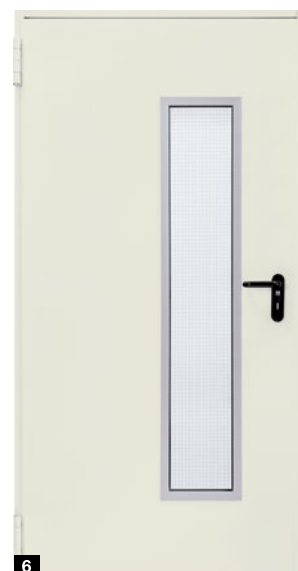
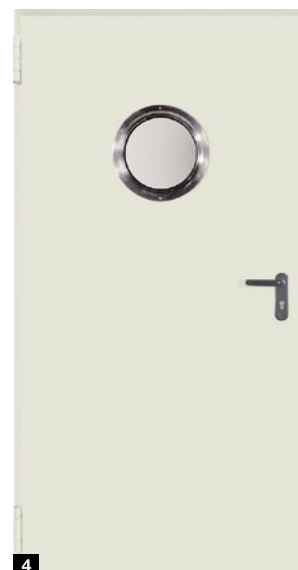
Fire-rated door H8-5

On both the door (shown left) and the hatch **3** with 45 mm thick door leaf and thin rebate on both sides, the fire-proof material is not exposed but is concealed on the front side across the full width and inserted flush-fitting. The door also comes with 2 steel security bolts.

Multi-purpose door MZ

The door provides a very high level of security with 2 solid steel security bolts. The multi-purpose door MZ is also available with glazing. Due to security reasons, this glazing is kept very narrow or very small, but it still lets you benefit from daylight inside. With the round glazing **4** with clear single-pane safety glass and stainless steel frame, you can choose between diameters of 300 mm or 400 mm.

Glazing view 5 **5** or glazing view 9 **6** is available with 7 mm wired glass as standard or with 20 mm insulated wired glass on request. The natural-finish aluminium glazing frame is fastened on the closing side with glazing beads as standard. For doors opening inwards, the glazing frame is optionally available with glazing beads on the opening side.



Internal doors, external doors

Multi-purpose ZK

	Multi-purpose ZK
Fire-retarding	
Smoke-tightness	
Thermal insulation	★
Acoustic insulation	★
Break-in resistance equipment	★

The classification of the individual doors shows you at a glance which functions the respective door fulfils and to what extent.

Main functions (as standard):
★★★★ Top ★★ Very good ★ Good

Additional function (with corresponding equipment): ★★★★★ Top
★★ Very good ★ Good



Complete, ready-to-fit door set

The door set provides an elegant door view with a 3-sided thick rebate **1**. Thanks to a sheet thickness of 0.8 mm, the door is also robust and dimensionally stable. With a U_D -value of up to $1.6 \text{ W/(m}^2\text{-K)}$, it also features good thermal insulation due to a fully bonded polystyrene insert **4**. The door set is available with a corner frame and 3-sided seal, through-bolt fixing through the groove bottom including grouting lugs and frame for finished floor as standard. The door set is also equipped with a black plastic lever handle set **2**, a mortice lock with steel catch (prepared for short escutcheon), maintenance-free hinges V 0026 WF **3** and security bolt on the hinge side.

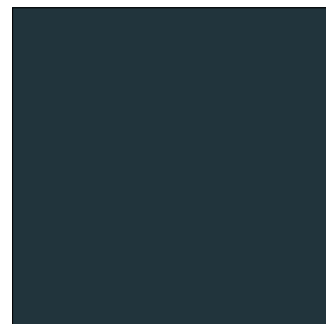
Colours and glazing

Choose a modern door view in RAL 7016 Anthracite grey or RAL 9010 Pure white, at the same price. In addition, two optional glazings, wired glass and clear float, provide pleasant daylight indoors.

Use as external door

When using the multi-purpose steel door ZK as an external door, optional extras such as a retractable bottom seal, aluminium threshold profile with seal and an attachable aluminium rain canopy provide protection against wind and rain.

Two door leaf and frame colours at the same price



Anthracite grey RAL 7016



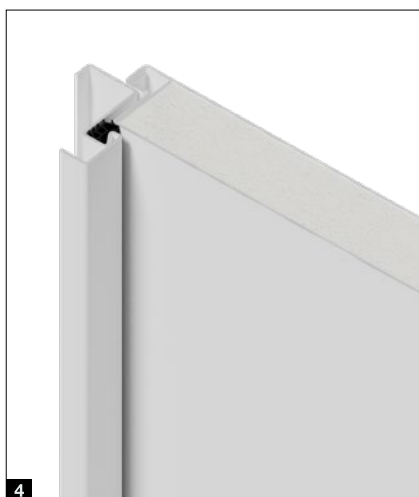
Pure white RAL 9010

Optional glazing

5 View 5

6 View 6

7 View 7



4



5



6



7

Internal doors

ZK and OIT 40

	ZK	OIT 40
Fire-retarding		
Smoke-tightness		
Thermal insulation		★
Acoustic insulation		☆☆
Break-in resistance equipment		☆☆

The classification of the individual doors shows you at a glance which functions the respective door fulfils and to what extent.

Main functions (as standard):
★★★★ Top ★★ Very good ★ Good

Additional function (with corresponding equipment): ☆☆☆ Top
☆☆ Very good ★ Good



As a door leaf or door set

The double-skinned, 40 mm thick door leaf with a thick rebate on 3 sides and a door inlay glued over the entire surface is dimensionally stable and very robust. The door leaf is available as a ready-to-hang door leaf or as a complete, ready-to-fit door set, including lever handle set **1** and a standard corner frame in Traffic white (similar to RAL 9016).

Frame equipment

The frame is equipped with a 3-sided seal, through-bolt fixing through the groove bottom (including grouting lugs) and welded-on frame parts of hinges. The door is delivered with a corner or block frame; you can also insert it into an existing standard frame or in any Hörmann steel frame.

Smooth, quiet closing

The door has a mortice lock with lever / knob handle set **1** and is prepared for profile cylinders (backset 55 mm). The doors close easily and quietly since they are equipped as standard with a plastic latch and steel bolt, deadlock insert and key, and on request with a profile cylinder.

Internal door ZK

The honeycomb insert **5** makes the door dimensionally stable. As standard, the internal door ZK is available with a fitted lock and bright-galvanized leaf parts of hinges V 0020 **2**, firmly screwed into the reinforced sections, but without a lever handle set. Thanks to the height adjustment and individual surface design, ZK internal doors are also ideal for modernising any room from basements to lofts. They can be flexibly used in existing standard frames and all Hörmann steel frames (prepared for series V 8000 hinges).

Double-leaf version

To provide a wider passage, the internal door ZK is also available in a double-leaf version with a flush-fitting transition between the traffic leaf and the fixed leaf **4**.

Internal door OIT 40

The particularly robust door is available with two different door inlays, depending on your requirements:

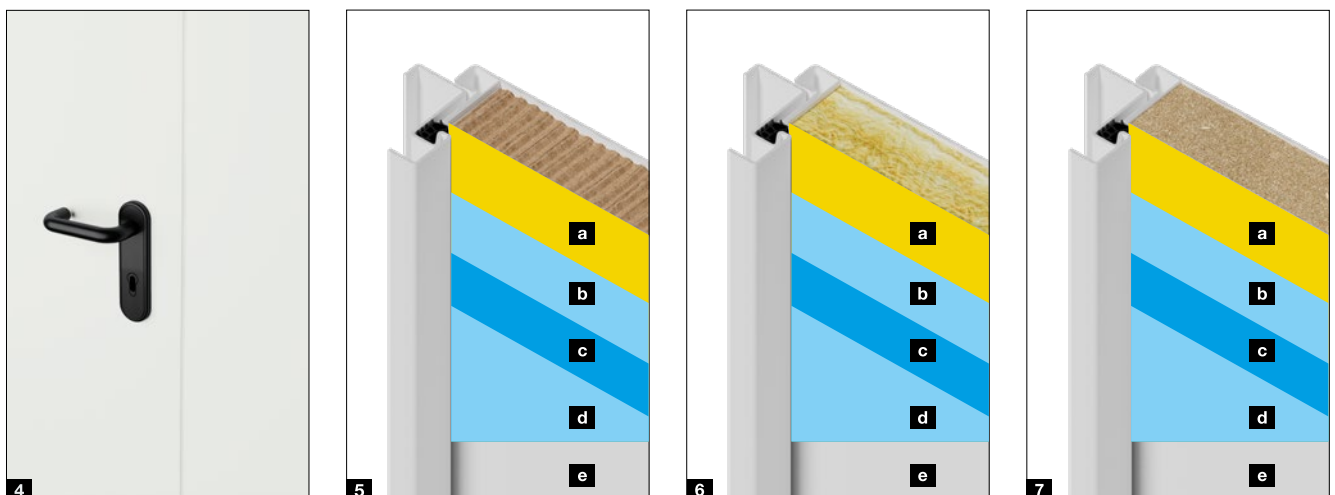
6 Standard mineral wool insert with a U-value of 1.7 W/(m²·K)

7 (Optional) composite timber insert for improved acoustic insulation with an acoustic value R_w of approx. 38 dB

The internal door OIT 40 is available with a fitted lock and bright-galvanized leaf parts of hinges V 0026 WF **3**, firmly screwed into the reinforced sections. The door can be optimally adjusted with maintenance-free 3-part hinges as standard. Optionally, 3-way adjustable VX hinges are also available.

Door leaf structure

- a** Door inlay
- b** Adhesive
- c** Zinc coating
- d** Steel door leaf
- e** High-quality powder coating / foil coating

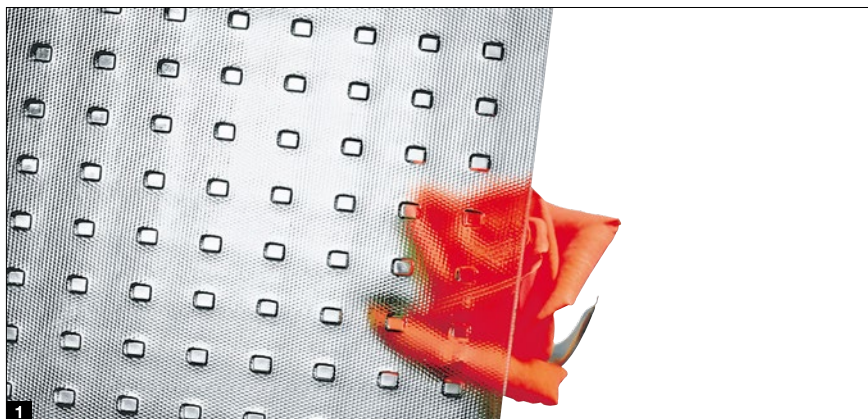


Optional equipment

ZK, OIT 40

Glazing types

All ZK and OIT 40 internal doors are available with Master-Carré glazing **1** as light 7 mm wired ornamental glass, 6 mm single-pane or laminated safety glass on request. For on-site glazing, please note the pane thickness of 4 – 6 mm. Round glazing is only available from the factory.



Glazing shapes

- 2** Round glazing Ø 300 or 400 mm, brushed stainless steel
- 3** Glazing view 5, anodised aluminium in natural finish (E6 / EV1)
- 4** Glazing view 6, anodised aluminium in natural finish (E6 / EV1)
- 5** Glazing view 7, anodised aluminium in natural finish (E6 / EV1)
- 6** Glazing view 8, anodised aluminium in natural finish (E6 / EV1)
- 7** Glazing view 9, anodised aluminium in natural finish (E6 / EV1)



Optional extras



Plastic ventilation grille
(455 × 90 mm)

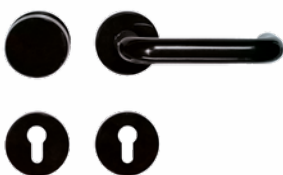


Wide-angle spyhole



Mechanical hold-open device

Lever handle sets



Lever / knob handle set with rose escutcheon,
black plastic



Stainless steel lever handle set with rose
escutcheon

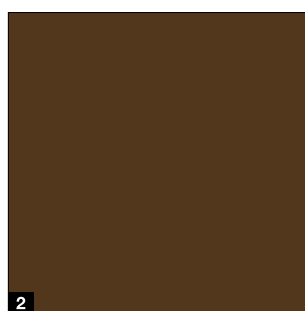
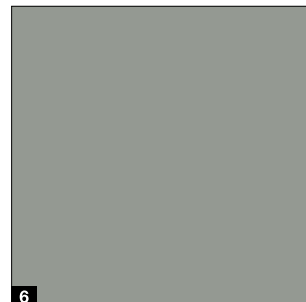


Lever / knob handle set with short escutcheon
in anodised aluminium in natural finish

MatchColor, standard, Color

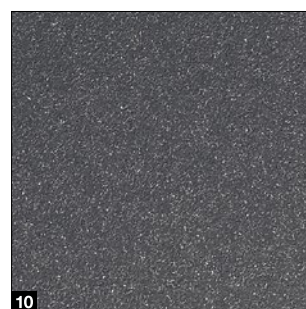
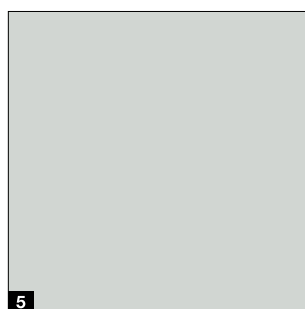
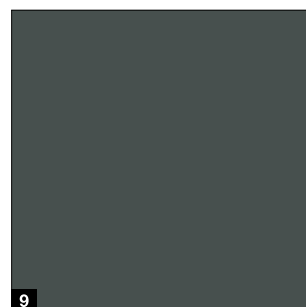
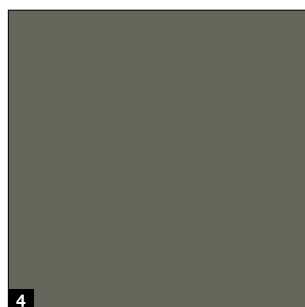
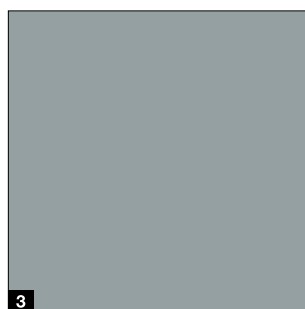
KSI Thermo46, MZ Thermo46, MZ Thermo65, FS Thermo65, Thermo65

MatchColor

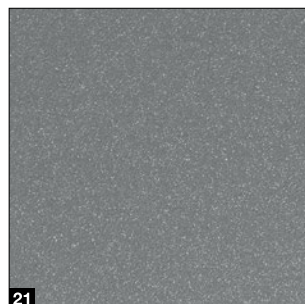
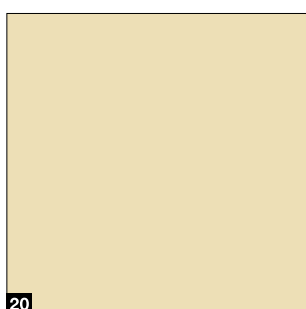
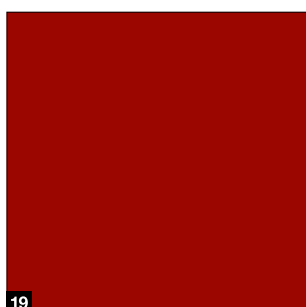
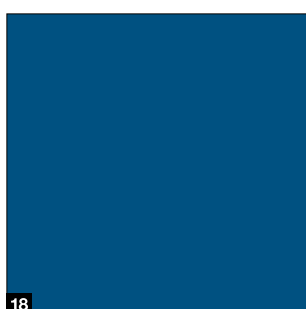
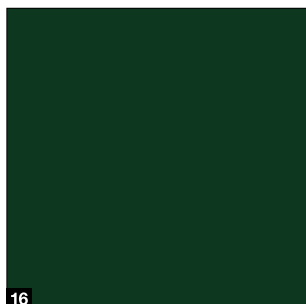
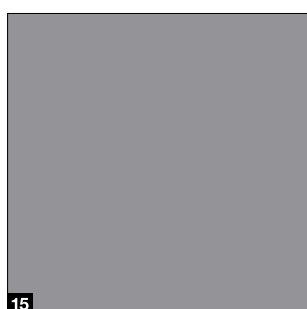
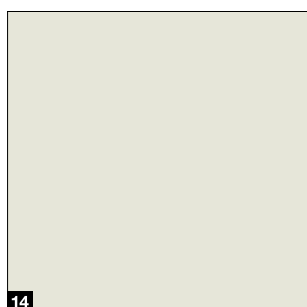
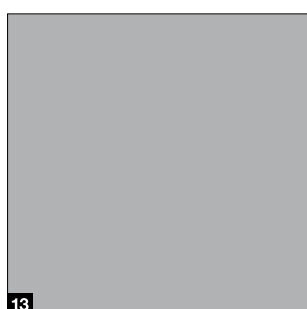
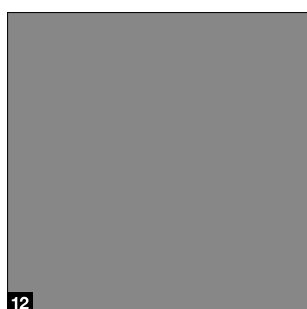
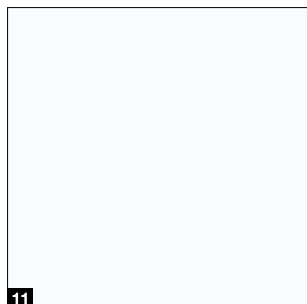


MatchColor

Design your home in perfect colour harmony – with the MatchColor preferred colours for sectional garage doors, entrance doors, side doors and sheet steel doors with a matching appearance. Enjoy the harmonious overall appearance thanks to matching colours. That is Hörmann brand quality!



Standard and Color



MatchColor

- 1** RAL 9005 Jet black
- 2** RAL 8028 Terra brown
- 3** RAL 7040 Window grey
- 4** RAL 7039 Quartz grey
- 5** RAL 7035 Light grey
- 6** RAL 7030 Stone grey
- 7** RAL 7016 Anthracite grey
- 8** RAL 7015 Slate grey
- 9** RAL 7012 Basalt grey
- 10** CH 703 Anthracite metallic

Standard

- 11** RAL 9016 Traffic white

Color

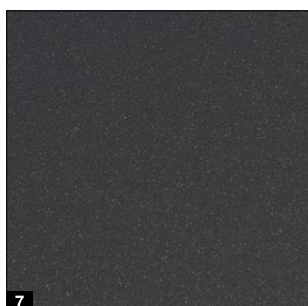
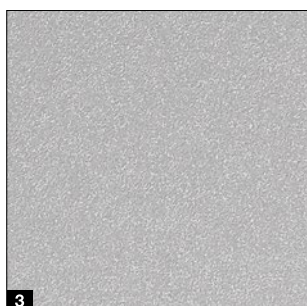
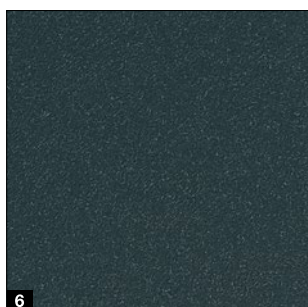
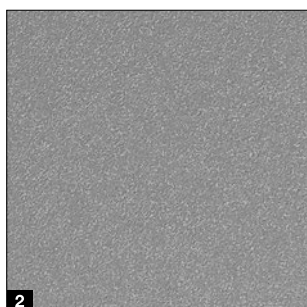
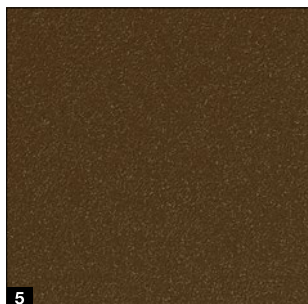
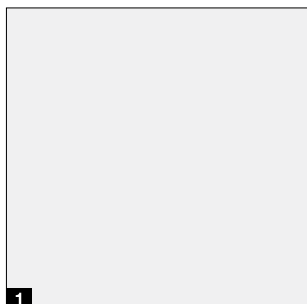
- 12** RAL 9007 Grey aluminium
- 13** RAL 9006 White aluminium
- 14** RAL 9002 Grey white
- 15** RAL 7037 Dusty grey
- 16** RAL 6009 Fir green
- 17** RAL 6005 Moss green
- 18** RAL 5010 Gentian blue
- 19** RAL 3003 Ruby red
- 20** RAL 1015 Light ivory
- 21** CH 907 Grey aluminium

Please note:

The colours and surface finishes shown are subject to the limitations of the printing process and cannot be regarded as binding. **Please consult with your local Hörmann sales partner.**

Matt deluxe

KSI Thermo46, MZ Thermo46, MZ Thermo65, FS Thermo65, Thermo65

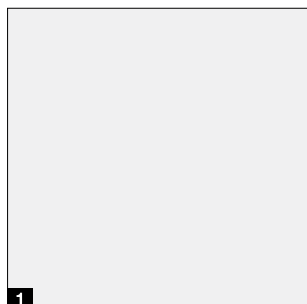


Matt deluxe

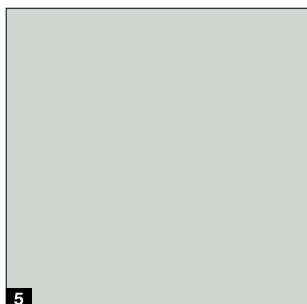
- | | | |
|---|---------|---------------------------------|
| 1 | CH 9016 | Matt deluxe Traffic white |
| 2 | CH 9007 | Matt deluxe Grey aluminium |
| 3 | CH 9006 | Matt deluxe White aluminium |
| 4 | CH 905 | Matt deluxe black |
| 5 | CH 8028 | Matt deluxe Terra brown |
| 6 | CH 7016 | Matt deluxe Anthracite grey |
| 7 | CH 703 | Matt deluxe Anthracite metallic |

Please note:

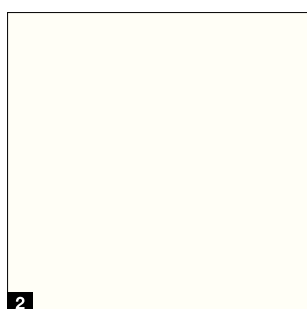
All colours based on RAL. The colours and surface finishes shown are subject to the limitations of the printing process and cannot be regarded as binding. **Please consult with your local Hörmann sales partner.**



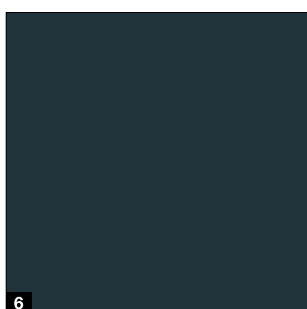
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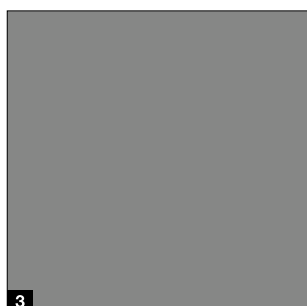
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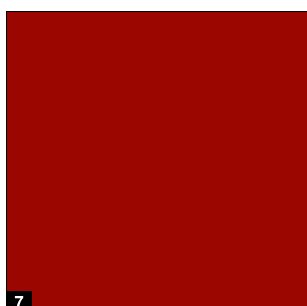
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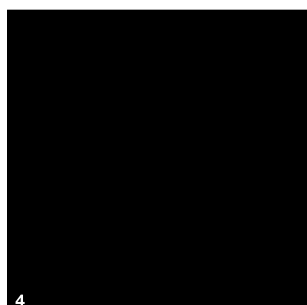
6



3



7



4

Color

1	RAL 9016	Traffic white
2	RAL 9010	Pure white
3	RAL 9007	Grey aluminium
4	RAL 9005	Jet black
5	RAL 7035	Light grey
6	RAL 7016	Anthracite grey
7	RAL 3003	Ruby red

RAL to choose

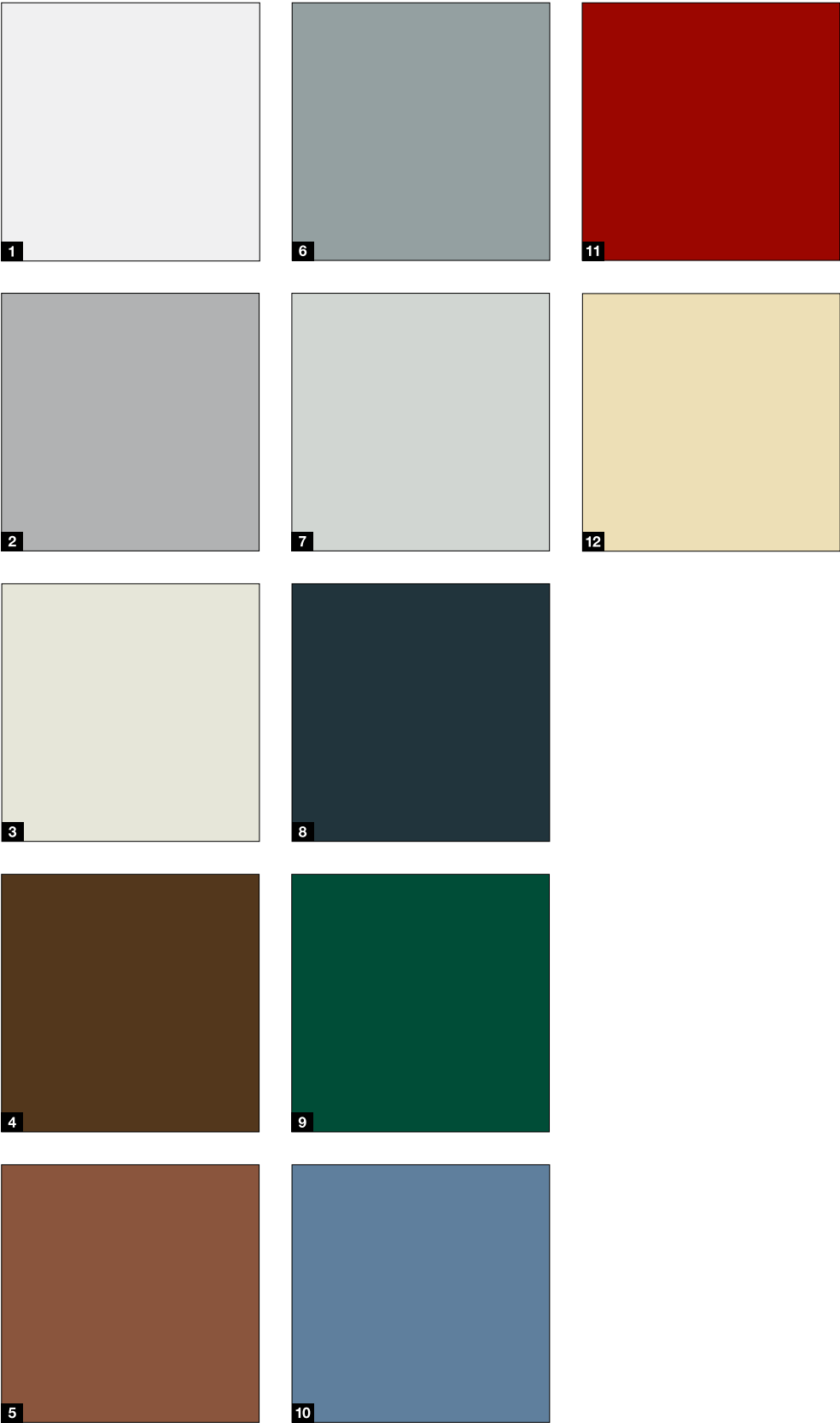
All doors are optionally available in RAL to choose and metallic colours.

Please note:

All colours based on RAL. The colours and surface finishes shown are subject to the limitations of the printing process and cannot be regarded as binding. **Please consult with your local Hörmann sales partner.**

Standard and Color options

KSI 40, MZ, H8-5, ZK, OIT 40



KSI 40, ZK, OIT 40

Standard

1 RAL 9016 Traffic white

Color

2 RAL 9006 White aluminium

4 RAL 8028 Terra brown

5 RAL 8003 Clay brown

6 RAL 7040 Window grey

7 RAL 7035 Light grey

8 RAL 7016 Anthracite grey

9 RAL 6005 Moss green

10 RAL 5014 Pigeon blue

11 RAL 3003 Ruby red

12 RAL 1015 Light ivory

MZ, H8-5

Standard

3 RAL 9002 Grey white

Color

1 RAL 9016 Traffic white

7 RAL 7035 Light grey

8 RAL 7016 Anthracite grey

RAL to choose

All doors are optionally available in RAL to choose and metallic colours.

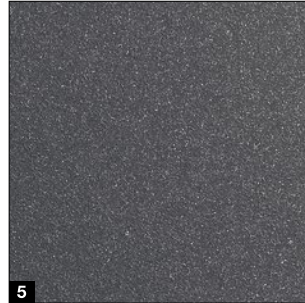
Please note:

All colours based on RAL. The colours and surface finishes shown are subject to the limitations of the printing process and cannot be regarded as binding. **Please consult with your local Hörmann sales partner.**

Decograin surface finish

KSI Thermo46, MZ Thermo46, MZ Thermo65, FS Thermo65, Thermo65, KSI 40, OIT 40

Decors for outdoor and indoor use



Decors for KSI Thermo46, MZ Thermo65, MZ Thermo46, FS Thermo65, Thermo65

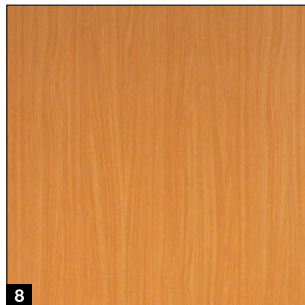
- 1 Golden Oak, medium brown, golden yellow oak design
- 2 Dark Oak, walnut-coloured oak design
- 3 Night Oak, dark, intense oak design
- 4 Winchester Oak, natural-coloured knotty oak design
- 5 Titan Metallic CH 703, with a metallic effect



Decors for KSI 40, OIT 40

- 1 Golden Oak, medium brown, golden yellow oak design
- 2 Dark Oak, walnut-coloured oak design
- 3 Night Oak, dark, intense oak design
- 4 Winchester Oak, natural-coloured knotty oak design
- 6 White Ash
- 7 Light Oak
- 8 Beech

Decors for indoor use only



Please note:

The colours and surface finishes shown are subject to the limitations of the printing process and cannot be regarded as binding. **Please consult with your local Hörmann sales partner.**

Size range

Standard sizes

Door type	KSI Thermo46	FS Thermo65	Thermo65	MZ Thermo46	MZ Thermo65	KSI 40-1
Hatches						
750 × 875						
800 × 800						
875 × 875						
875 × 1000						
875 × 1250						
Single-leaf doors						
625 × 2000						
625 × 2125						
750 × 1750						
750 × 1875						●
750 × 2000						●
750 × 2125						●
800 × 1800						
800 × 1875						
800 × 2000						
875 × 1750						
875 × 1800						
875 × 1875						●
875 × 2000	■	■		■	■	●
875 × 2125	■	■		■	■	●
1000 × 1875						●
1000 × 2000	■	■		■	■	●
1000 × 2100	■	■	■	■	■	
1000 × 2125	■	■		■	■	●
1150 × 2200	■	■	■	■	■	
1100 × 2100	■	■	■	■	■	
1125 × 2000						
1125 × 2125						
1250 × 2000						
1250 × 2125						
Double-leaf doors						
1500 × 2000						
1500 × 2125						
1750 × 2000					■	
1750 × 2125					■	
2000 × 2000					■	
2000 × 2125					■	
2125 × 2125					■	
2250 × 2250					■	

Ordering sizes

- = overall frame dimension
- = nominal size

H3 OD	H8-5	MZ-1	Multi-purpose ZK	OIT 40
	•			
	•			
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Please state handing
on order.



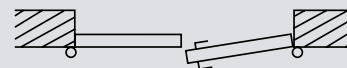
Left-hand hinged



Right-hand hinged



Traffic leaf left-hand
hinged



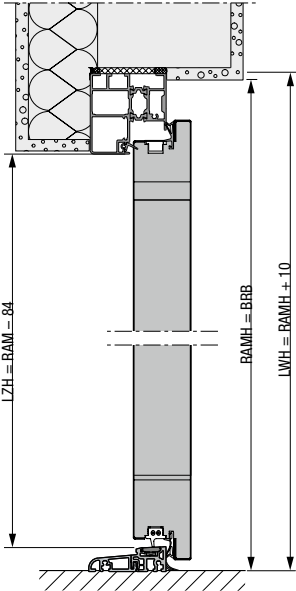
Traffic leaf right-hand
hinged

All dimensions in mm

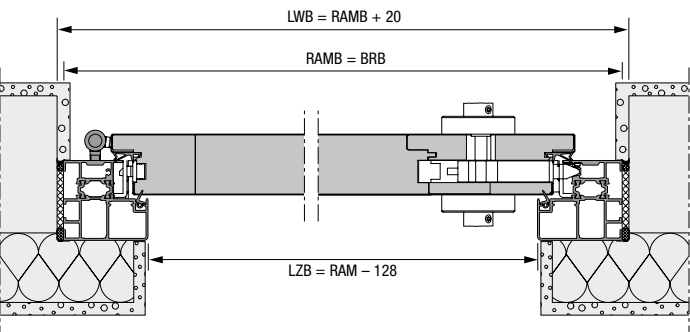
Dimensions and technical manual

KSI Thermo46, MZ Thermo46

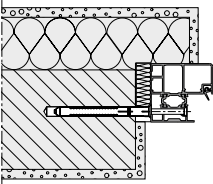
Vertical view



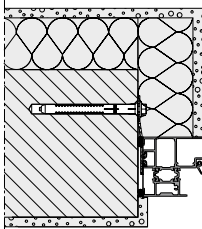
Horizontal view



Frame variants



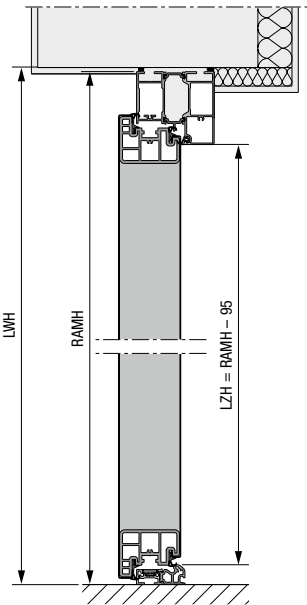
Block frame
Countersunk fitting



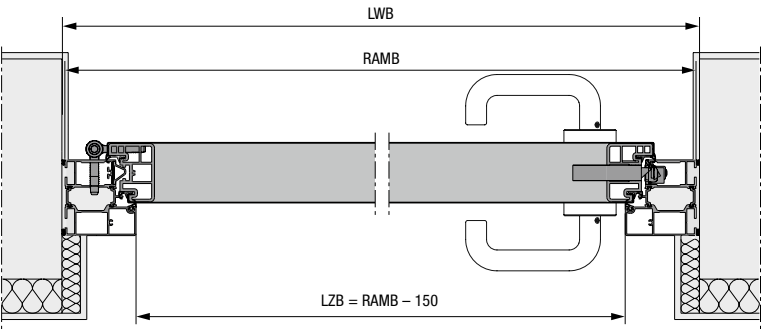
Block frame
Anchor fitting

MZ Thermo65, FS Thermo65, Thermo65

Vertical view

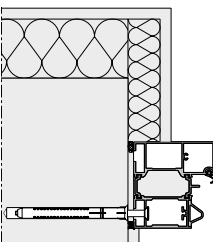


Horizontal view

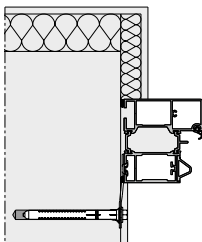


$LWH = BRH + 5$

Frame variants



Block frame
Countersunk fitting

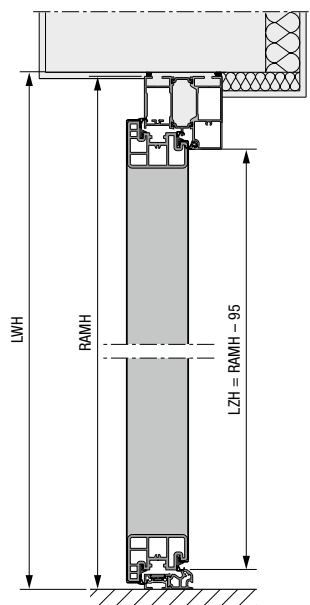


Block frame
Anchor fitting

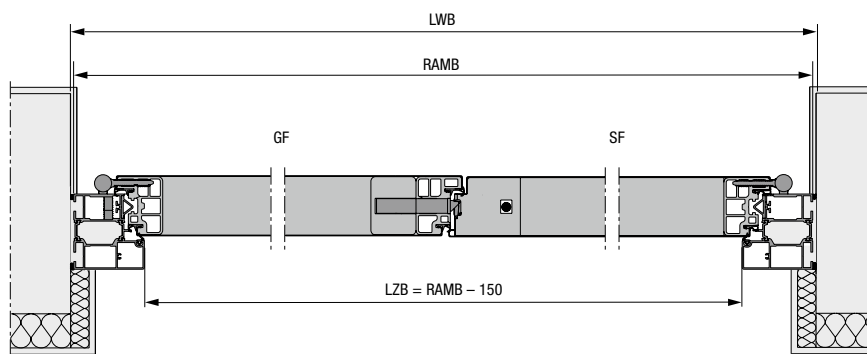
All dimensions in mm

MZ Thermo65 double-leaf

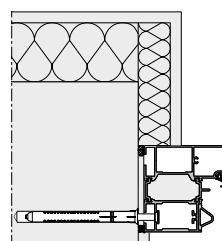
Vertical view



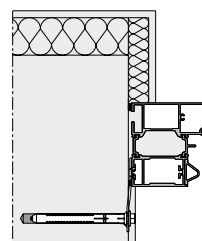
Horizontal view



Frame variants



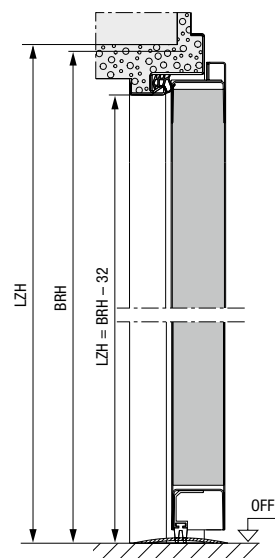
Block frame
Countersunk fitting



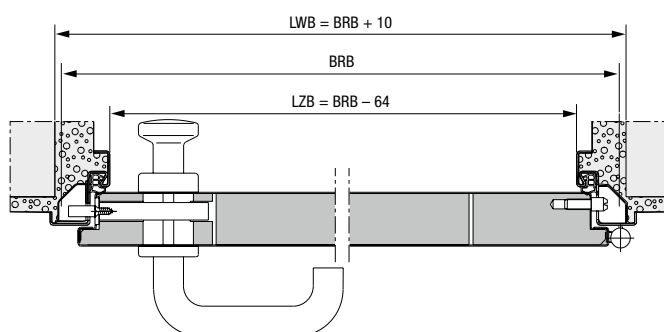
Block frame
Anchor fitting

KSI 40-1

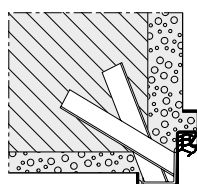
Vertical view



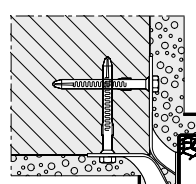
Horizontal view



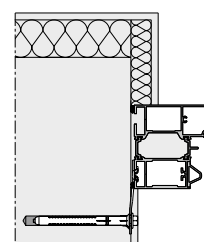
Frame variants



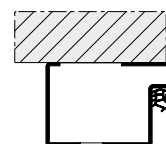
Fitting with anchor



Fitting with grouting
lugs



Block frame for fitting
in the opening
(profile 21101)



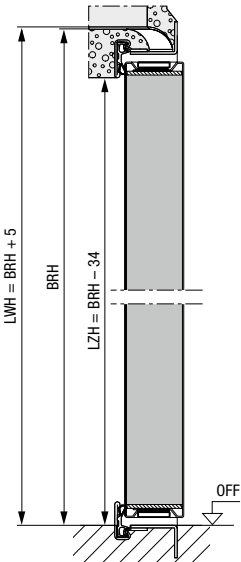
Block frame for fitting
to the wall (profile 006)
(tested on the opposite
hinge side)

All dimensions in mm

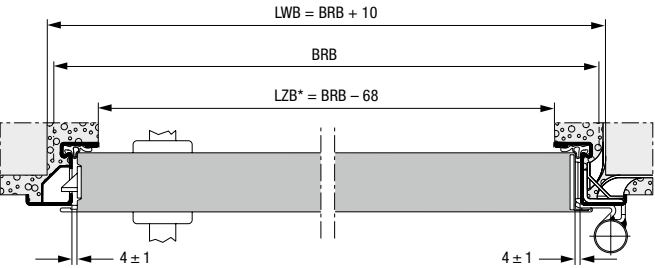
Dimensions and technical manual

MZ, H8-5

Vertical view

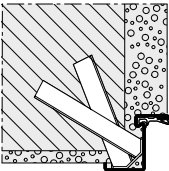


Horizontal view

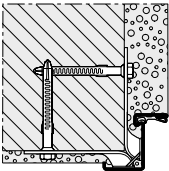


* With an opening angle of 90° and without handles and lever handles, the clear passage width is reduced by 25 mm.

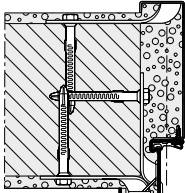
Frame variants



Fitting with anchor



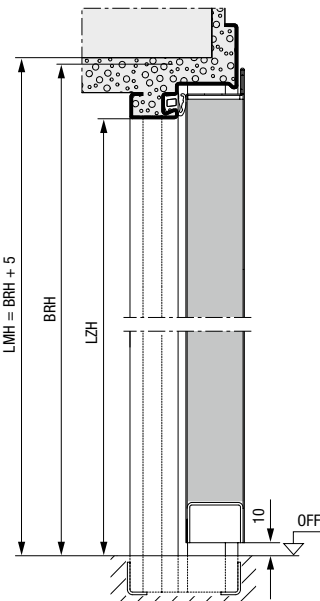
Fitting with grouting lugs



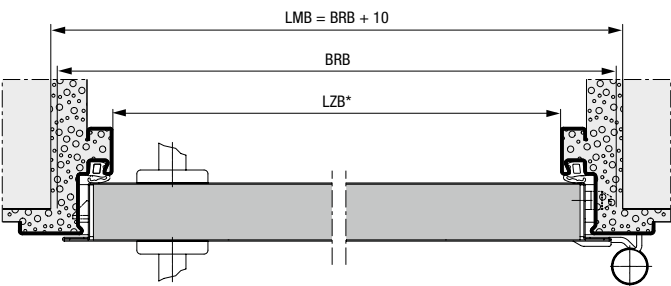
Corner and counter frame
Fitting with grouting lugs

H3 OD

Vertical view

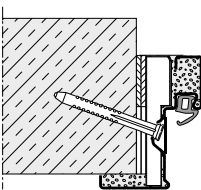


Horizontal view

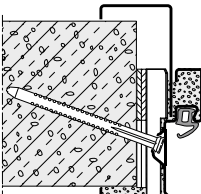


* With an opening angle of 90° and without handles and lever handles, the clear passage width is reduced by 113 mm (thin rebate) or 103 mm (thick rebate).

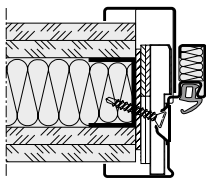
Frame variants



Diagonal fixing
(Unplastered
brickwork / concrete)



Diagonal fixing
With counter frame
Vario B53 as a
double-shell profile
frame
(Gas concrete)

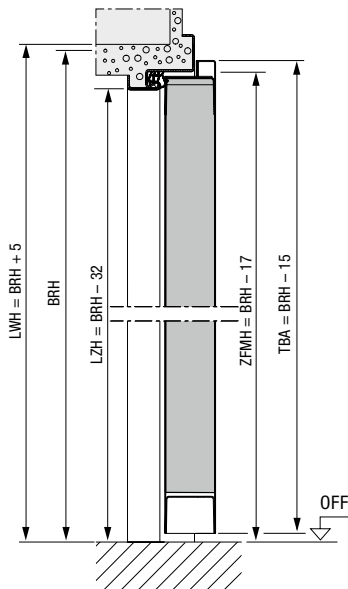


Diagonal fixing
(Gas concrete)

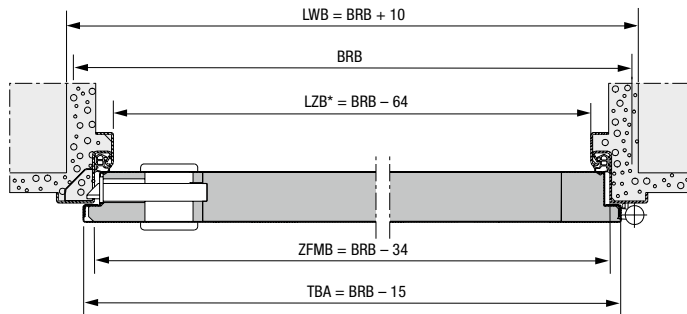
All dimensions in mm

Multi-purpose ZK, OIT 40

Vertical view

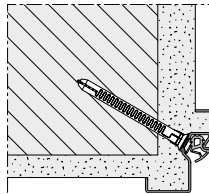


Horizontal view

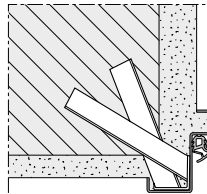


* With an opening angle of 90° and without handles and lever handles, the clear passage width is reduced by 2 mm, and by 4 mm in the case of double-leaf doors.

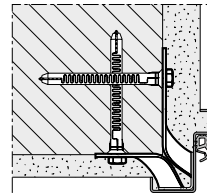
Frame variants



Special corner frame
Through-bolt fixing
through the groove
bottom



Fitting with anchor



Fitting with grouting
lugs

Explanations

BRB	Nominal size width
BRH	Nominal size height
LDB	Clear passage width
LDH	Clear passage height
LWB	Clear wall opening width
LWH	Clear wall opening height
LZB	Clear frame dimension width
LZH	Clear frame dimension height

RAMB	Overall frame width
RAMH	Overall frame height
ZFMB	Frame hold dimension width
ZFMH	Frame hold dimension height
TBA	Overall door leaf dimension
MW	Wall width
OFF	Finished floor level

All dimensions in mm

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