

# CONTENT

---

ALUMINIUM ENTRANCE DOORS	<b>AT 410</b>	14
	<b>AT 400</b>	24
	<b>AT 310</b>	32
	<b>AT 200</b>	42
	<b>Accessories</b>	
	Handles, colours, glazing	54
	<b>Comfort</b>	
	Security, locking, fingerscan, keypad	62

---

TIMBER/ALUMINIUM ENTRANCE DOORS	<b>HT 410</b>	68
	<b>HT 400</b>	72
	<b>HT 300</b>	82
	<b>Accessories</b>	
	Handles, colours, glazing	90
		<b>Comfort</b>
	Security, locking, fingerscan, keypad	96

---

SERVICE & ADDITIONAL FEATURES	We can offer you	4
	Design styles	6
	Technology overview	9
	System overview	10
	Side entrance doors	102
	LED lighting	104
	Mirror door & special models	106
	Checklist	110
	Fitting/installation	112
	Warranties	114
Certifications & awards	115	
Imprint	115	



[www.internorm.com](http://www.internorm.com)

# WE CAN OFFER YOU ...

HIGH QUALITY DOORS AND EXCELLENT SERVICE.

### Individual doors

Each door is unique. The Internorm door is manufactured in our ultra-modern manufacturing plant to your precise specification and custom made exactly to your measurements. We produce a range of doors from aluminium or timber/aluminium with flush, square-edged, profiled or rounded styles.

With a huge colour selection and numerous glazing and door handle options we can offer unlimited design possibilities. We promise to fulfil your wishes!

### Innovative technologies

Utilising state of the art technologies, our in-house research department continually develop new products and technological innovation offering you even greater comfort and security.

### Excellent quality

Excellent thermal insulation coupled with the highest level of security are a matter of course for Internorm doors. Our numerous national and international awards together with industry recognised certifications are proof that our continual product development guarantees exceptional quality products. We are therefore able to offer product warranties which surpass our customers expectations.

### Perfect combinability

Internorm entrance doors can be combined perfectly with any other products from the Internorm range. Identical surface finishes, colours and glazing ensure continuity throughout the design of your house.

### Competent advice

We are only satisfied when our customers are satisfied! Our Customer Care Program ensures reliable advice and care for you. Our 1300+ distribution partners, in 21 countries, guarantee this claim. Our distribution partners take an active interest in your individual requirements and will advise you accordingly, taking accurate measurements and provide transparent pricing.

### Expert installation

Each of our distribution partners are certified installation specialists providing clean, expert fitting whilst utilising state of the art techniques. Upon completion of fitting, all installed products will be checked for full functionality and provide valuable tips for maintenance and care.



#### TRAUN HEADQUARTERS

Ultra-modern office architecture combined with new concepts of energy efficiency. The know-how originates from Internorm and sister companies of the IFN Holding.



#### TRAUN /UPPER AUSTRIA

Door production, UPVC window, insulating glass and aluminium production



#### SARLEINSBACH/UPPER AUSTRIA

UPVC window and insulating glass production, extrusion



#### LANNACH/STYRIA

Timber/aluminium production

# DesignStyles

Highlights of Architecture

We believe the architecture of a building reflects the people who live within it. Internorm connects people and buildings by offering individual living styles and by choosing Internorm windows and doors you can truly fulfil your desires in home living.

To help you find a door solution which meets your unique criteria for architecture, design and comfort alongside the many options in shape, colour and material, you can choose from the three different Internorm design styles: **studio**, **home** and **ambiente**.

We ask the question:

## IN WHICH BUILDING DO YOU FEEL AT HOME?



### studio

Follows a puristic line in its design. This style with its avant-garde shapes and diminished appearance gives an unconventional feel.



### ambiente

Stands out with its traditional shapes – timeless classical and elegant. Its composition is elaborately designed and conveys a homely feel.



### home pure

Meets the demands of a modern and straight-lined style. Creates bright, light-flooded living environments.



### home soft

Feels friendly and cosy. Offers many design varieties – from elegant to playful.



**AT 410 FG**  
with side element\*  
Colour: HM716  
Handle: KGS06

\*Panel acc. to customer wishes

Material	Aluminium				Timber/aluminium			
System								
Style	AT 410	AT 400	AT 310	AT 200	HT 410	HT 400	HT 300	
	studio	home pure	home pure	home pure	studio	home pure	home pure	
		home soft	home soft	home soft		home soft	home soft	
Thermal insulation		ambiente	ambiente	ambiente		ambiente	ambiente	
		★★★★★ U <sub>b</sub> up to 0.78 W/m <sup>2</sup> K	★★★★★ U <sub>b</sub> up to 0.75 W/m <sup>2</sup> K	★★★★★ U <sub>b</sub> up to 0.81 W/m <sup>2</sup> K	★★★★★ U <sub>b</sub> up to 1.2 W/m <sup>2</sup> K	★★★★★ U <sub>b</sub> = 0.58 W/m <sup>2</sup> K	★★★★★ U <sub>b</sub> up to 0.73 W/m <sup>2</sup> K	★★★★★ U <sub>b</sub> up to 0.74 W/m <sup>2</sup> K
Soundproofing		★★★★★ Up to 36 dB	★★★★★ Up to 36 dB	★★★★★ Up to 33 dB	★★★★★ Up to 40 dB	★★★★★ Up to 37 dB	★★★★★ Up to 33 dB	★★★★★ Up to 28 dB
	Security		★★★★★ Up to RC2	★★★★★ Up to RC2	★★★★★ Up to RC2	★★★★★	★★★★★ Up to WK2	★★★★★ Up to WK2
Locking			★★★★★ Multi-point locking	★★★★★ Multi-point locking	★★★★★ Multi-point locking	★★★★★ Multi-point locking	★★★★★ Multi-point locking	★★★★★ Multi-point locking
	Profile construction depth (in mm)		93	93	93	80	121	85.5
Page reference		Page 14	Page 24	Page 32	Page 42	Page 68	Page 72	Page 82

Aluminium



**AT 410**

Door with plate construction – aluminium on both sides  
 Flush inside and outside  
 Concealed door hinges  
 Construction depth 93 mm

studio



**AT 400**

Door with plate construction – aluminium on both sides  
 Smooth door leaf on both sides  
 Construction depth 93 mm

home pure home soft ambiente



**AT 310**

Door with plate construction – aluminium on both sides  
 Outside smooth, inside profiled door leaf  
 Construction depth 93 mm

home pure home soft ambiente



P



K

**AT 200**

Door with filling construction – profiled or square-edged  
 Construction depth 80 mm

P Profiled version  
 K Square-edged version

home pure home soft ambiente

Timber/aluminium



**HT 410**

Door with plate construction – outside aluminium, inside timber  
 Flush inside and outside  
 Concealed hinges  
 Construction depth 121 mm

studio



**HT 400**

Door with plate construction – outside aluminium (glass), inside timber  
 Smooth door leaf on both sides  
 Construction depth 85.5 mm

home pure home soft ambiente



**HT 300**

Door with plate construction – phenolic varnish on both sides  
 Smooth door leaf on both sides  
 Construction depth 85.5 mm

home pure home soft ambiente

## ALUMINIUM ENTRANCE DOORS

THE ENTRANCE DOOR IS A VERY SPECIAL PART OF OUR HOME:  
WE LEAVE AND ENTER THE HOUSE THROUGH IT AND IT IS WHERE WE WELCOME OUR GUESTS.

The entrance area provides a first impression about the inhabitants of any home. Internorm aluminium doors reveal only good things. Manufactured using state of the art processes and blending ultra-modern technologies with optimum materials, they are not only extremely easy to maintain and long-lasting, but always correspond perfectly to your individual requirements through almost unlimited design and colour possibilities.

Aluminium





### AT 410 FLUSH

FA\*

Colour: Frame HM716,  
sash SD03 Art concrete

Handle: KGS02

Glass: Matt white

Designer elements:  
Heavy duty joiners



### AT 410 | ALUMINIUM DESIGN IN PERFECTION – FLUSH FRAME AND DOOR LEAF AESTHETICALLY UNITED

#### TRENDSETTING ADVANTAGES

- Flush design – outside and inside
- Concealed door hinges

#### TECHNICAL DATA

- Excellent thermal insulation  
**U<sub>D</sub> up to 0.78 W/m<sup>2</sup>K**
- Soundproofing up to **36 dB**
- High security up to resistance class RC2
- Multi-point locking
- Construction depth 93 mm



**FLUSH**  
The handle fits in perfectly with the flush design.

#### DESIGN STYLE

studio



Inside view





**FA**  
**Colour:**  
 Frame HM716,  
 sash SD03 Art  
 concrete  
**Handle:** KGS04  
**Glass:** Matt white  
 (AT410-15-001)

The door stands  
 out through its  
 deceptively genuine  
 looking concrete  
 appearance



**P253**  
**Colour:** HFM05  
**Handle:** RGS01  
 (AT410-15-002)



**FA**  
**Colour:**  
 Frame HM716,  
 sash HDS02  
**Handle:** MGSE8  
 (AT410-15-003)



**FA**  
**Colour:** HFM14  
**Handle:** EGS01  
**Glass:** MDX  
 (AT410-15-004)



**P252**  
**Colour:**  
 Frame M916,  
 sash M916, SD02  
**Handle:** SGF16A  
 (AT410-15-005)



**P252**  
**Colour:**  
 Frame HM906,  
 sash HM906,  
 HM716  
**Handle:** SGF13A  
 (AT410-15-006)



**FD**  
**Colour:**  
 Frame HDS02,  
 sash HDS02,  
 HM716  
**Handle:** SGF17A  
 (AT410-15-008)

**AT 410 | Aluminium**



**P252**  
**Colour:**  
 Frame HM716,  
 sash HM716, HM735  
**Handle:** SGE01  
 (AT410-15-007)



**FD**  
**Colour:**  
 Frame HM716,  
 sash HM716,  
 HM907  
**Handle:** RGS05  
 (AT410-15-009)



**GG**  
**Colour:** HF113  
**Handle:** MGSE10  
**Glass:** Matt white, alunox glass surround (AT410-15-010)



**GA**  
**Colour:** Frame HM716, sash HM716  
**Handle:** HS42  
**Glass:** Matt white, alunox glass surround (AT410-15-011)



**FG**  
**Colour:** HM704  
**Handle:** KGS04  
**Designer elements:** Heavy duty joiners (AT410-15-012)



**FG**  
**Colour:** HM907  
**Handle:** MGSE10  
**Glass:** Satinato white, fluted bevel glass R6A  
**Designer elements:** Heavy duty joiners (AT410-15-013)



**HEAVY DUTY JOINERS**  
 Heavy duty joiners are available either raised in stainless steel or flush in alunox.



**FJ**  
**Colour:** HDS01  
**Handle:** MGSE8  
**Designer elements:** Heavy duty joiners (AT410-15-014)



**FJ**  
**Colour:** HFM14  
**Handle:** MGSE8  
**Glass:** Satinato white, fluted bevel glass R6B  
**Designer elements:** Heavy duty joiners (AT410-15-015)



**FLUTED BEVEL GLASS**  
 This designer glass can be fitted into the side elements and serves there as optical extension of the horizontal heavy duty joiners.



**PA**  
 Colour: M916  
 Handle: SGF17A  
 Glass: Matt white,  
 alunox glass  
 surround  
 (AT410-15-016)



**DA**  
 Colour: HM113  
 Handle: SGF13A  
 Glass: Matt white,  
 alunox glass  
 surround  
 (AT410-15-017)



**DB**  
 Colour: RAL1019  
 Handle: RGS01  
 Glass: Matt white,  
 alunox glass  
 surround  
 (AT410-15-018)



**PA**  
 Colour: HFM22  
 Handle: KGS02  
 Glass: Matt white,  
 alunox glass  
 surround  
 (AT410-15-019)



**DA**  
 Colour: HM906  
 Handle: SGF13A  
 Glass: Matt white  
 (AT410-15-020)



**DB**  
 Colour: HM735  
 Handle: SGF13A  
 Glass: Matt white,  
 alunox glass surround  
 (AT410-15-021)



**PA**  
 Colour: HFM01  
 Handle: HS10  
 Glass: Matt white  
 (AT410-15-022)



**DA**  
 Colour: HDS08  
 Handle: HS40  
 Glass: Matt white  
 (AT410-15-023)



**DB**  
 Colour: HM716  
 Handle: SGF16A  
 Glass: Matt white  
 (AT410-15-024)

**ALUNOX GLASS SURROUND**

Upon request, the glass cut-outs of models PA, DA and DB can be carried out with classic alunox glass surround.



With alunox glass surround



Without alunox glass surround



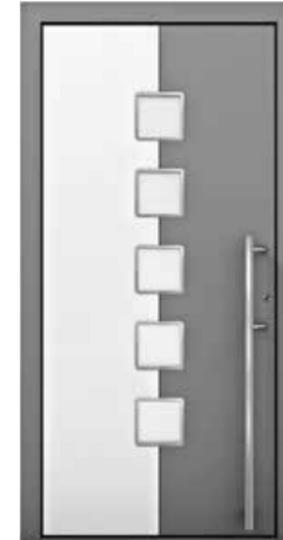
**GJ**  
**Colour:** Frame HF735, sash HF735, HF716  
**Handle:** MGSE10  
**Glass:** Matt white (AT410-15-025)



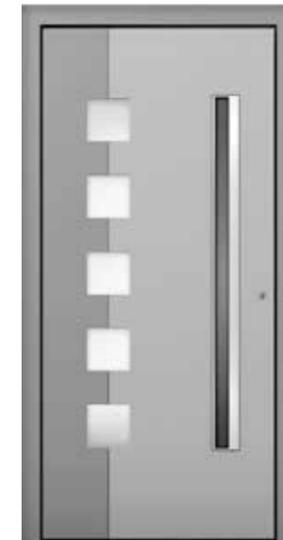
**DG**  
**Colour:** M916  
**Handle:** SGF17A  
**Glass:** Matt white, alunox glass surround (AT410-15-026)



**GD**  
**Colour:** HFM05  
**Handle:** KGS04  
**Glass:** Matt white (AT410-15-027)



**PN**  
**Colour:** Frame HM907, sash HM907, M916  
**Handle:** EGS06  
**Glass:** Matt white alunox glass surround (AT410-15-028)



**PQ**  
**Colour:** Frame HM907, sash HM907, HM906  
**Handle:** SGF18A  
**Glass:** Matt white (AT410-15-030)



**DD**  
**Colour:** Frame HF735, sash HF735, SD04 High gloss black  
**Handle:** EGS01  
**Glass:** Matt white  
**Designer elements:** Heavy duty joiners (AT410-15-029)



**DD**  
**Colour:** HM716  
**Handle:** TEG15  
**Glass:** Matt white  
**Designer elements:** Heavy duty joiners (AT410-15-031)

**COLOUR EFFECTS**

The model **DD** is characterised by a combination of heavy duty joiners with one selected colour area **DD**.



DD area SD04 High gloss black



DD area HM716



**AT 400**  
PURISTIC

**P405-1** with side element  
**Colour:** Frame HM716,  
sash M916, SD04 High gloss black  
**Handle:** SG16  
**Glass:** Matt white  
**Designer elements:** Heavy duty  
joiners



**AT 400 | ALUMINIUM**  
CLEAR LINES – SQUARE-EDGED FRAME AND  
SMOOTH DOOR LEAF CREATE CONSISTENCY

**TRENDSETTING ADVANTAGES**

- Plate construction with smooth door leaf on both sides
- Highest stability through high quality multi-layer construction

**TECHNICAL DATA**

- Excellent thermal insulation **U<sub>D</sub> up to 0.75 W/m²K**
- Soundproofing up to **36 dB**
- High security up to resistance class RC2
- Multi-point locking
- Construction depth 93 mm



**HIGHEST STABILITY**  
A special door leaf constructed of several high-quality layers ensures highest stability.

**DESIGN STYLE**

- home pure
- home soft
- ambiente



Inside view





**P411-1**  
**Colour:** HM907  
**Handle:** SGF13A  
**Glass:** Matt white,  
**Designer elements:**  
 Heavy duty joiners  
 (AT400-15-001)



**P210-1**  
**Colour:** RAL1004  
**Handle:** SGE03  
 (AT400-15-002)



**FA**  
**Colour:**  
 Frame HM906,  
 sash SD03 Art  
 concrete  
**Handle:** MGSE10  
 (AT400-15-003)



**PA**  
**Colour:** HF113  
**Handle:** RGS01  
**Glass:** Matt white,  
 alunox glass  
 surround  
 (AT400-15-004)



**P202-3**  
**Colour:**  
 Frame M916,  
 sash M916,  
 RAL1019  
**Handle:** SG13  
 (AT400-15-005)



**DD**  
**Colour:**  
 Frame RAL9017,  
 sash RAL9017, SD04  
 High gloss black  
**Handle:** EGS01  
**Glass:** Matt white  
**Designer elements:**  
 Heavy duty joiners  
 (AT400-15-006)



**SD04 HIGH GLOSS BLACK**  
 Models DD and P405-1 are characterised by a combination of heavy duty joiners with SD04 High gloss black varnish.



**P401-4**  
**Colour:**  
 Frame RAL1019,  
 sash M916  
**Handle:** SG15  
**Glass:** Matt white,  
 alunox glass  
 surround  
 (AT400-15-007)



**P405-1**  
**Colour:** Frame  
 HM716, sash M916,  
 SD04 High gloss  
 black  
**Handle:** SG16,  
**Glass:** Matt white  
**Designer elements:**  
 Heavy duty joiners  
 (AT400-15-008)



**FM**  
**Colour:**  
 Frame HM704,  
 sash HM704,  
 HM735  
**Handle:** KGS03  
 (AT400-15-009)



**DM**  
**Colour:**  
 Frame HFM11,  
 sash HFM11,  
 M916  
**Handle:** MGSE6  
**Glass:** Matt white  
 (AT400-15-010)



**GJ**  
**Colour:** Frame HM906, sash HM906, HM907  
**Handle:** EGS01  
**Glass:** Matt white (AT400-15-011)



**FD**  
**Colour:** Frame HDS08, sash HDS08, HM716  
**Handle:** SG18 (AT400-15-012)



**P303-1**  
**Colour:** Frame HM716, Sash HDS01  
**Handle:** SG16  
**Designer elements:** Heavy duty joiners (AT400-15-013)

**HEAVY DUTY JOINERS**

Heavy duty joiners are available either raised in stainless steel or flush in alunox.



**FG**  
**Colour:** HFM01  
**Handle:** MGSE8 (AT400-15-018)



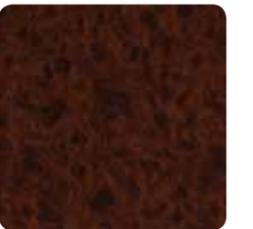
**GD**  
**Colour:** HM113  
**Handle:** EGS01  
**Glass:** Matt white (AT400-15-019)



**P202-3**  
**Colour:** Frame M916, sash M916, SD02  
**Handle:** SG17 (AT400-15-020)

**SPECIAL DECOR COLOURS (SD)**

For unique highlights with SD02 Olive (picture top) and SD01 Oak burl (picture bottom).



**GG**  
**Colour:** DM02  
**Handle:** MGSE10  
**Glass:** Matt white, alunox glass surround (AT400-15-014)



**P408-1**  
**Colour:** Frame HM907, sash HM907, M916  
**Handle:** SG16,  
**Glass:** Matt white (AT400-15-015)



**DG**  
**Colour:** RAL1019  
**Handle:** SG17  
**Glass:** Matt white, alunox glass surround (AT400-15-016)



**P302-4**  
**Colour:** HM716  
**Handle:** SG13  
**Designer elements:** Heavy duty joiners (AT400-15-017)



**FJ**  
**Colour:** Frame HM716, sash HDS01  
**Handle:** MGSE10  
**Designer elements:** Heavy duty joiners (AT400-15-021)



**GD**  
**Colour:** RAL1019  
**Handle:** KGS01  
**Glass:** Matt white (AT400-15-022)



**GA**  
**Colour:** HFM03  
**Handle:** RGS01  
**Glass:** Matt white (AT400-15-023)

**LARGE GLASS CUT-OUT**

For more light in your house and a pleasant outside appearance created by the large glass cut-out.



**PN**  
**Colour:** Frame HM906, sash HM735, HM906  
**Handle:** HS10  
**Glass:** Matt white (AT400-15-024)



**PJ**  
**Colour:** HF113  
**Handle:** MGSE10  
**Glass:** Matt white (AT400-15-025)



**AH**  
**Colour:** M916  
**Handle:** TEG10  
**Glass:** Matt white (AT400-15-026)



**PD**  
**Colour:** HM735  
**Handle:** MGSE10  
**Glass:** Matt white (AT400-15-027)



**PQ**  
**Colour:** Frame HM113, sash M916, HM113  
**Handle:** RGS03  
**Glass:** Matt white (AT400-15-028)



**PE**  
**Colour:** HFM03  
**Handle:** EGS01  
**Glass:** Matt white (AT400-15-029)



**PK**  
**Colour:** HM906  
**Handle:** RGS03  
**Glass:** Matt white (AT400-15-030)



**AG**  
**Colour:** Frame RAL1019, sash HM113, RAL1019  
**Handle:** TEG13  
**Glass:** Matt white (AT400-15-031)



**AD**  
**Colour:** Frame HM605, sash M916, HM605  
**Handle:** HS32  
**Glass:** Matt white (AT400-15-032)



**AA**  
**Colour:** HFM22  
**Handle:** TEG15  
**Glass:** Matt white (AT400-15-033)



**AT 310**  
STRAIGHT-LINED

DM with side element  
Colour: HM716  
Handle: EGS08  
Glass: Matt white



**AT 310 | ALUMINIUM**  
STRAIGHT-LINED APPEARANCE – OUTSIDE FLUSH AND  
INSIDE PROFILED DOOR LEAF COMBINED IN STYLE

**TRENDSETTING ADVANTAGES**

Door with plate construction –  
aluminium on both sides  
Outside smooth, inside profiled door leaf

**TECHNICAL DATA**

Thermal insulation  $U_b$  up to **0.81 W/m<sup>2</sup>K**  
Soundproofing **up to 33 dB**  
High security up to resistance class RC2  
Construction depth 93 mm



**SOPHISTICATED SECURITY**  
5-point locking as standard: One main bolt, two safety bolts  
and two hook bolts make breaking in virtually impossible.

**DESIGN STYLE**

- home pure
- home soft
- ambiente



Inside view





**GG**  
**Colour:** HFM03  
**Handle:** KGS04  
**Glass:** MDX, alunox glass surround (AT310-15-001)



**DG**  
**Colour:** RAL1019  
**Handle:** SG17  
**Glass:** Matt white, alunox glass surround (AT310-15-002)



**GA**  
**Colour:** DM03  
**Handle:** MGSE6  
**Glass:** Matt white (AT310-15-003)



**DB**  
**Colour:** HFM13  
**Handle:** SG15  
**Glass:** Matt white, alunox glass surround (AT310-15-004)



**DM**  
**Colour:** M916  
**Handle:** TEG15  
**Glass:** D11 (AT310-15-005)



**DD**  
**Colour:** Frame M916, sash M916, HFM11  
**Handle:** EGS01  
**Glass:** Matt white  
**Designer elements:** Heavy duty joiners (AT310-15-006)



**GJ**  
**Colour:** Frame M916, sash M916, SD02  
**Handle:** KGS04  
**Glass:** Matt white (AT310-15-007)



**FG**  
**Colour:** HM113  
**Handle:** HS40 (AT310-15-008)



**GD**  
**Colour:** HDS07  
**Handle:** EGS01  
**Glass:** Matt white (AT310-15-009)



**DA**  
**Colour:** HFM22  
**Handle:** SG16  
**Glass:** Matt white, alunox glass surround (AT310-15-010)



**FJ**  
**Colour:** HM716  
**Handle:** MGSE10  
**Designer elements:** Heavy duty joiners (AT310-15-011)



**DJ**  
 Colour: M916  
 Handle: MGSE10  
 Glass: Matt white  
 (AT310-15-012)



**PD**  
 Colour: HM907  
 Handle: TEG15  
 Glass: D83  
 (AT310-15-013)



**PE**  
 Colour: DM01  
 Handle: KGS03  
 Glass: Matt white  
 (AT310-15-014)



**PP**  
 Colour: HFM12  
 Handle: EGS08  
 Glass: Matt white  
 (AT310-15-017)



**PN**  
 Colour: HM704  
 Handle: GD15  
 Glass: Matt white  
 (AT310-15-018)



**PA**  
 Colour: HFM01  
 Handle: SG17  
 Glass: Matt white,  
 alunox glass  
 surround  
 (AT310-15-019)



**PA**  
 Colour: HM716  
 Handle: RGS01  
 Glass: MRI  
 (AT310-15-020)



**PJ**  
 Colour: HFM11  
 Handle: RGS01  
 Glass: Matt white  
 (AT310-15-015)



**DM**  
 Colour: HM735  
 Handle: HS10  
 Glass: Matt white  
 (AT310-15-016)



**DP**  
 Colour: RAL5010,  
 Handle: MGSE6  
 Glass: Matt white,  
 alunox glass  
 surround  
 (AT310-15-021)



**FD**  
 Colour:  
 Frame M916,  
 sash M916,  
 SD02  
 Handle: SG18  
 (AT310-15-022)



**FM**  
 Colour:  
 Frame HM704,  
 sash HM704,  
 M916  
 Handle: EGS06  
 (AT310-15-023)



**FA**  
 Colour: HFM13  
 Handle: SG14  
 (AT310-15-024)



**SG**  
**Colour:** M916  
**Handle:** TEG14  
**Glass:** D78,  
 alunox glass  
 surround  
 (AT310-15-025)



**SA**  
**Colour:** HFM05  
**Handle:** HS30  
**Glass:** MDNL  
 (AT310-15-026)



**SJ**  
**Colour:** HFM22  
**Handle:** TEG10  
**Glass:** Matt white  
 (AT310-15-027)



**PK**  
**Colour:**  
 Frame DM03,  
 sash M916  
**Handle:** KGS02  
**Glass:** Matt white  
 (AT310-15-028)



**PQ**  
**Colour:**  
 Frame HM735,  
 sash M916,  
 HM735  
**Handle:** MGSE10  
**Glass:** Matt white  
 (AT310-15-029)



**PG**  
**Colour:** HM907  
**Handle:** RGS02  
**Glass:** D39  
 (AT310-15-030)



**PM**  
**Colour:** HF113  
**Handle:** HS10  
**Glass:** MRI  
 (AT310-15-031)

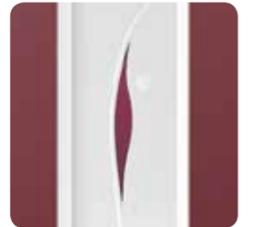


**SD**  
**Colour:** HDS07  
**Handle:** HS30  
**Glass:** Matt white  
 (AT310-15-032)



**PA**  
**Colour:** HM304  
**Handle:** TEG14  
**Glass:** D39  
 (AT310-15-033)

**SET HIGHLIGHTS**  
 Diverse glass inserts offer  
 individual design possibilities.





**AM**  
 Colour: M916  
 Handle: HS10  
 Glass: D03  
 (AT310-15-034)



**AJ**  
 Colour: HM704  
 Handle: TEG14  
 Glass: D41  
 (AT310-15-035)



**AJ**  
 Colour: HM817  
 Handle: VD14  
 Glass: D41  
 (AT310-15-036)



**AA**  
 Colour: HDS08  
 Handle: BS11  
 Glass: Mastercarré  
 (AT310-15-037)



**AH**  
 Colour: HM817  
 Handle: BS42  
 Glass: Altdeutsch K  
 (AT310-15-038)



**AA**  
 Colour: HM735  
 Handle: TEG15  
 Glass: D91  
 (AT310-15-039)



**AD**  
 Colour: HM605  
 Handle: BS43  
 Glass: D94  
 (AT310-15-040)



**AD**  
 Colour: HM907  
 Handle: HS10  
 Glass: D95  
 (AT310-15-041)



**AG**  
 Colour: M916  
 Handle: BS23  
 Glass: D92  
 (AT310-15-042)



**AT 200**  
WITH MANY VARIATIONS

**AT 200** 

with fanlight and side elements

Colour: HM716

Handle: BS42

Glass: Satinato white



**AT 200 | ALUMINIUM**  
FROM MODEST TO VERY PLAYFUL – DOOR LEAF SQUARE-EDGED OR PROFILED

**TRENDSETTING ADVANTAGES**

3-chamber profiles with thermal separation through polyamide rails and foamed insulation core

home pure, home soft and ambiente are differentiated through square-edged and profiled version

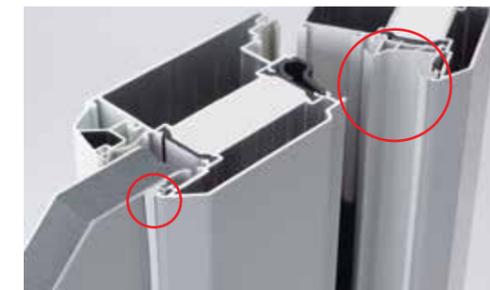
**TECHNICAL DATA**

Thermal insulation  $U_b$  up to **1.2 W/m<sup>2</sup>K**

Soundproofing up to **40 dB**

High security through multi-point locking

Construction depth 80 mm



**GASKET COLOUR**

Upon request, both stopper gaskets and glazing gaskets are available in grey.

**DESIGN STYLE**

-  home pure
-  home soft
-  ambiente



 Profiled version



 Square-edged version



**K EC-H1B**  
 Colour: M916, stainless steel  
 Handle: TEG15  
 Glass: Satinato white (AT200-15-001)



**K LU-G5B**  
 Colour: HM735  
 Handle: HS10  
 Glass: MR5 (AT200-15-002)



**K EC-A3B**  
 Colour: HM907, stainless steel  
 Handle: EGS05  
 Glass: MR3 (AT200-15-003)



**K SE-B3B**  
 Colour: M916  
 Handle: TEG15  
 Glass: D72 (AT200-15-004)



**K DA-J1B**  
 Colour: Frame M916, sash M916, HM704  
 Handle: EGS05  
 Glass: Satinato white (AT200-15-005)



**K SE-F0B**  
 Colour: RAL1019  
 Handle: EGS05  
 Glass: Satinato white (AT200-15-006)



**K SE-P0B**  
 Colour: HM304  
 Handle: HS10  
 Glass: MRI (AT200-15-007)



**K LU-B3B**  
 Colour: Frame HM716, sash HM716, M916  
 Handle: GD10  
 Glass: Satinato white (AT200-15-008)



**K SE-E2B**  
 Colour: Frame M916, sash M916, HM735  
 Handle: HS10  
 Glass: Satinato white (AT200-15-009)



**K SE-B0B**  
 Colour: HM704  
 Handle: GD15  
 Glass: MRI (AT200-15-010)



**K DA-R1B**  
 Colour: HM704  
 Handle: GD15  
 Glass: D11/P27 (AT200-15-011)



**P RA-A1B**  
 Colour: DM01  
 Handle: EGS05  
 Glass: D72  
 (AT200-15-012)



**P VA-D7B**  
 Colour: M916  
 Handle: HS10  
 Glass: Satinato white  
 Designer elements:  
 Designer rods  
 (AT200-15-013)



**P VA-A3B**  
 Colour: HM716  
 Handle: BS42  
 Glass: Satinato white  
 (AT200-15-014)



**P VA-F4B**  
 Colour: RAL5009  
 Handle: TEG14  
 Glass: D40/P26  
 (AT200-15-015)



**P VA-K2B**  
 Colour: HM704  
 Handle: TEG14  
 Glass: Matt white  
 (AT200-15-016)



**P SE-E0B**  
 Colour: HM304  
 Handle: GD15  
 Glass: MRI  
 (AT200-15-017)



**P SE-R0B**  
 Colour:  
 HFM02,  
 Handle: TEG10  
 Glass: Linea  
 (AT200-15-018)



**K LU-G5B**  
 Colour: HM113  
 Handle: HS40  
 Glass: MR5  
 (AT200-15-019)



**P SE-B3B**  
 Colour:  
 Frame HM704,  
 sash M916,  
 HM704,  
 Handle: HS10  
 Glass: MR3  
 (AT200-15-020)



**P VA-A3B**  
 Colour: HFM21  
 Handle: TEG15  
 Glass: Satinato white  
 (AT200-15-021)



**K RA-G1B**  
 Colour: M916  
 Handle: HS10  
 Glass: MRI  
 (AT200-15-022)



**K RA-S1B**  
 Colour: HM704  
 Handle: HS10  
 Glass: Satinato white  
 (AT200-15-023)



**K EC-E1B**  
 Colour: RAL5008,  
 stainless steel  
 Handle: HS10  
 Glass: D12/P26  
 (AT200-15-024)



**P RA-A1B**  
 Colour: HM735  
 Handle: VD16  
 Glass: MR5  
 (AT200-15-025)



**P RA-T1B**  
 Colour: Frame HM605, sash HM605, M916  
 Handle: TEG13  
 Glass: Satinato white  
 (AT200-15-026)



**P LU-C3B**  
 Colour: M916  
 Handle: TEG10  
 Glass: MLAL  
 (AT200-15-027)



**P EC-M3B**  
 Colour: Frame HM704, sash HM704, stainless steel  
 Handle: TEG14  
 Glass: Satinato white  
 (AT200-15-028)



**P RA-P1B**  
 Colour: HM803  
 Handle: TEG15  
 Glass: MRI  
 (AT200-15-029)



**P LU-C5B**  
 Colour: HM906  
 Handle: TEG14  
 Glass: D67  
 (AT200-15-030)



**P RA-K1B + K1S**  
 Colour: DM02  
 Handle: HS10  
 Glass: Satinato white  
 (AT200-15-031)



**ET-M5B**  
 Colour: HM817  
 Handle: TEG14  
 Glass: Mastercarré  
 (AT200-15-032)



**AC-E1B**  
 Colour: HM768  
 Handle: BS42  
 Glass: D03  
 (AT200-15-033)



**AC-A1B + A1S**  
 Colour: HM735  
 Handle: TEG14  
 Glass: Kathedral hammered  
 (AT200-15-034)



**AC-E4B**  
 Colour: M916  
 Handle: TEG14  
 Glass: D04  
 (AT200-15-035)



**EL-C1B**  
 Colour: HFM02  
 Handle: TEG10  
 Glass: D15  
 (AT200-15-036)



**AC-Z2B + Z2S**  
 Colour:  
 Frame HM704, sash HM735,  
 HM704  
 Handle: VSD12  
 Door knocker: 84704  
 Glass: Kathedral hammered  
 (AT200-15-037)



**AC-E4B**  
 Colour: HM803  
 Handle: BS42  
 Glass: D04  
 (AT200-15-038)



**EL-P1B + P1S**  
 Colour: M916  
 Handle: TEG15  
 Glass: D45 + D46/P05  
 (AT200-15-039)



**P FI-S1B**  
 Colour: HM605  
 Handle: VD15  
 Glass: Ornament 504  
 (AT200-15-040)



**P GEORGIAN/  
 FEATURE BAR  
 MODEL**  
 Colour: HM817  
 Handle: BS42  
 Glass: Matt white  
 (AT200-15-041)



**P AC-R1B**  
 Colour: M916  
 Handle: MSB13  
 Glass: D09-1  
 (AT200-15-042)



**P EL-K1B**  
 Colour: HFM04  
 Handle: VSD14  
 Glass: D41  
 (AT200-15-043)



**P N10**  
 Colour: HM704  
 Handle: BS42  
 (AT200-15-044)



**P ET-E3B**  
 Colour: M916  
 Handle: TEG14  
 Glass: D30/P07  
 (AT200-15-045)



**P N50**  
 Colour: HM605  
 Handle: VSD15  
 Door knocker: 84701  
 (AT200-15-046)



**P DESIGNER  
 PANEL Z20**  
 Colour: HM768  
 Handle: BS42  
 Glass: Cathedral  
 hammered  
 (AT200-15-047)



**92 MM  
 TRANSOM  
 HORIZONTAL**  
 Colour: M916  
 Handle: MSD13  
 Glass: Cathedral  
 hammered  
 Panel: P24 white  
 (AT200-15-048)



Colour: M916  
 Handle: MSD13  
 Glass: Matt white VSG  
 (AT200-15-049)



**H** Handles

EACH DOOR SERIES DEPENDING ON DESIGN STYLE FEATURES A SOPHISTICATED SELECTION OF HANDLES.

Handle sizes shown are not to scale and not all material versions are depicted.

Dimensions are stated in mm, width x height or Ø (diameter).

Please note that not every handle is available for every door series.

**BAR HANDLES**

- KGS01** Square-edged handle bar 40x1000, 2 supports
- KGS02** 40x1200, 2 supports
- KGS03** 40x1400, 2 supports
- KGS04** 40x1600, 3 supports
- KGS05** 40x1800, 3 supports
- KGS06** 40x2000, 3 supports

- RGS01** Round handle bar 30x1000, 2 supports
- RGS02** 30x1200, 2 supports
- RGS03** 30x1400, 2 supports
- RGS04** 30x1600, 3 supports
- RGS05** 30x1800, 3 supports
- RGS06** 30x2000, 3 supports

- EGS01** handle bar height variable stainless steel AT200, AT310, AT400, AT410
- EGS02** handle bar (no picture) height variable stainless steel AT200

- EGS07** handle bar height variable stainless steel AT200
- EGS08** handle bar height variable stainless steel AT310, AT400, AT410

- MGSE6** Strap handle 40x600
- MGSE8** Strap handle 40x800
- MGSE10** Strap handle 40x1000

- EGS05** handle bar 80x1130 stainless steel AT200

- EGS06** handle bar 80x1130 stainless steel AT310, AT400, AT410

**RECESSED HANDLES**

(raised for AT 310 and AT 400 or flush\* for AT 400 and AT 410)

- SG11/SGF11A\*** Recessed handle Ø 175 stainless steel

- SG12** Recessed handle 170x170 stainless steel

- SG13/SGF13A\*** Recessed handle 220x125 stainless steel

- SG14/SGF14A\*** Recessed handle 185x185 stainless steel

- SG15/SGF15A\*** Recessed handle, 450x110 stainless steel

- SG16/SGF16A\*** Recessed handle, 430x100 stainless steel

- SG18/SGF18A\*** Recessed handle 110x1400 stainless steel

- SG17/SGF17A\*** Recessed handle 110x500 stainless steel

- SGE01** Recessed handle 200x200 Aluminium AT400, AT410

- SGE02** Recessed handle 200x500 Aluminium AT400, AT410

- SGE03** Recessed handle 200x700 Aluminium AT400, AT410

**LEVERS**

- PD10** Aluminium brushed AT200, AT310, AT400, AT410

- PD12** Aluminium brushed AT310, AT400, AT410

- PD13** Chrome satined AT200, AT310, AT400, AT410

- PD15** Chrome satined AT310, AT400, AT410

- PD16** Chrome satined AT200, AT310, AT400, AT410

- PD18** Chrome satined AT310, AT400, AT410

- PD19** Chrome satined AT200, AT310, AT400, AT410

- PD21** Chrome satined AT310, AT400, AT410

- MD13** Stainless steel (MD10 = RAL 9016) (MD12 = aluminium natural) (MD14 = brass PVD) AT200, AT310

- GD10** Stainless steel AT200, AT310, AT400, AT410

- GD15** Stainless steel AT200, AT310, AT400, AT410

- GD20** Stainless steel AT200, AT310, AT400, AT410

- VD10** Chrome matt AT200, AT310, AT400, AT410

- VD12** Chrome matt (VD13 = brass PVD) AT200, AT310, AT400, AT410

- VD14** Chrome matt (VD15 = brass PVD) AT200, AT310, AT400, AT410

- VD16** Chrome matt AT200, AT310, AT400, AT410

- VD20** Chrome matt AT200, AT310, AT400, AT410

- VD22** Chrome gloss AT200, AT310, AT400, AT410

**H** Handles

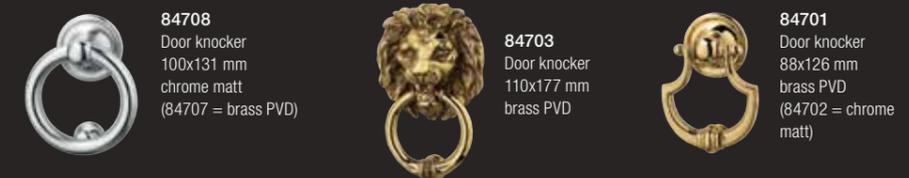
PLATE SETS (exclusively for AT 200)



PUSH AND BOW-SHAPED HANDLES



HANDLE ACCESSORIES (exclusively for AT 200)





Glazing

MATCHING YOUR DIFFERENT DOOR SERIES, THERE IS AN ATTRACTIVE SELECTION OF GLASS TYPES IN THE RESPECTIVE DESIGN STYLES FOR YOU TO CHOOSE FROM.

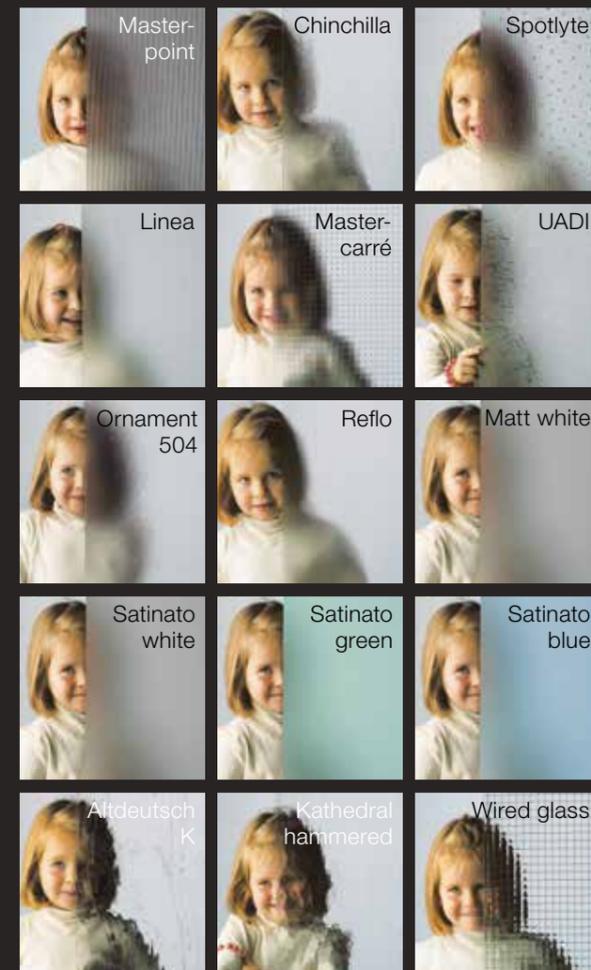
Variable glass cut-outs are available upon request and after technical clarification.

Please note that not every glass type is available for every door series.

For print and production reasons, colour and pattern deviations between images in the Door book and the original products are possible.

Your **Internorm distribution partner** will gladly show you original colour samples.

SPECIAL



FOR THE CREATION OF DESIGNER GLAZING DIFFERENT TECHNIQUES SUCH AS FLUTED BEVEL GLASS, SANDBLASTING, DESIGNER GLAZING BEAD OR COLOUR AREAS ARE USED.

DESIGN



Surfaces & Colours

THERE IS A CORRESPONDING SELECTION OF COLOURS AVAILALBE FOR THE DIFFERENT FRAME AND DOOR LEAF MATERIALS.

Please note that not every colour is available for every door or frame or door leaf.

For print and production reasons, colour and pattern deviations between images in the Door book and the original products are possible. Your **Internorm distribution partner** will gladly advise you and show you original colour samples.

\* **Highly weather-resistant**, except M916 (facade quality).

\*\* Intensive colour appearance, however colour tolerances possible.

\*\*\* **HDH colours** have a lively timber appearance being hand-finished with pattern coating, however colour tolerances are possible.

\*\*\*\* For surface versions **HM** (highly weather-resistant standard colours), **HF** (highly weather-resistant fine structure), **HFM** (highly weather-resistant fine structure metallic), and **HDH** (highly weather-resistant timber decor colours) a special highly weather-resistant powder coating is used.

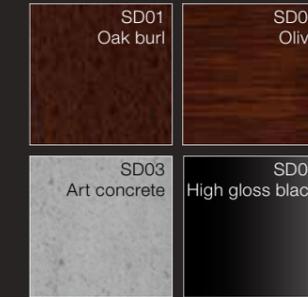
STANDARD COLOURS\*



HDS COLOURS\*\*



SD COLOURS

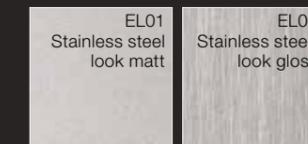


Technically not possible for door system AT 200.

METALLIC DECOR COLOURS



STAINLESS STEEL COLOURS



hires COLOURS\*\*\*\*



TIMBER DECOR COLOURS\*\*\*



SPECIAL COLOURS

A variety of design possibilities is offered by the Internorm RAL colour range.





### STANDARD SECURITY

**MV | STANDARD SECURITY – MECHANICAL**  
Internorm entrance doors are equipped with multi-locking as standard.



**Standard security**  
Multi-point locking = quintuple protection through one main bolt, 2 steel bolts and 2 hook bolts.  
3 solid door hinges ensure high stability.  
Increased burglary protection already with standard cylinder (scanning and anti-drilling protection).

**Standard comfort**  
The softlock latch ensures smooth operation as well as gentle closing and is additionally maintenance-free (no oiling necessary).  
Three-dimensionally adjustable door hinges facilitate an even more exact and precise adjustment of the entrance door, even with hinged door sash.  
Lockable cylinder on both sides, even lockable when key is in lock on one side.



### ADDED SECURITY

**MV-AM | SECURITY EXTENDED – AUTOMATIC**  
Multi-point locking automatically with main bolt and two hook bolts.  
**Added security** | Door locks automatically mechanical – spring-operated hook bolts engage.  
**Added comfort** | No locking via key necessary.

**EE | SECURITY AND COMFORT – HALF-MOTORIC**  
Multi-point locking half-motorically with main bolt and two hook bolts.  
**Added security** | Door locks automatically mechanical – spring-operated hook bolts engage.  
**Added comfort** | No locking or unlocking via key necessary (unlocking via e-drive). From the inside the door unlocks via lever operation; switchable child lock blocks the lever, can be combined with any access control systems.

**EV-E, EV-C | SECURITY AND COMFORT OF THE TOP-CLASS – FULLY MOTORIC**  
Multi-point locking fully motorical with main bolt, two steel bolts and two hook bolts.  
**Added security** | Door locks automatically – steel bolts, hook bolts and main bolt engage automatically.  
**Added comfort** | No locking or unlocking via key necessary (locking and unlocking via e-drive). The door unlocks from the inside either by operating the lever (EV-C) or by using the electrical button (EV-E). The door unlocks from the outside via access control systems (e.g. fingerscan, etc.).

Added security features a multitude of additional components such as high security cylinder, door block, signal lamp and many more. Further information can be obtained via your Internorm distribution partner.

## YOUR FINGER IS THE KEY

Have you ever forgotten or lost your key? Have you ever locked yourself out? Has your key ever been stolen? Why carry around a heavy bunch of keys? No need to look for that key again:



### FINGER SCANNER

The integrated finger scanner replaces the conventional key in a convenient way without competition. The control unit is space-saving and securely situated in the door sash. Keys, cards or codes can no longer be forgotten, lost or stolen.

**SIMPLE** – You can open the door by simply “sliding your fingers across”. You can save your own authorised persons – no need for a technician or PC.

**CONVENIENT** – You always have your key “at hand”. No more lost, forgotten or a heavy bunch of keys. This technologically clever software is so intelligent that it learns with every scan and even recognises growth in children’s fingers or change in user behaviour.

**SECURE** – Your unique finger print is more secure than a key which can be taken or lost. Manipulations of the system from the outside are impossible. Unauthorised transfer is excluded.



### KEYPAD

The **ekey home integra keypad** is fitted directly into the door sash. Only the ultra-flat decor element is visible.

The system is compatible with all e-openers and motoric locks. A cable transports an encoded opening signal to an electronic relays. The relays sends an opening impulse to the electric lock. Manipulations from the outside are therefore excluded.

Opening occurs by typing in a four to ten digit code of your choice. A six digit code is very secure and easy to remember. A pattern can even be taught via the touch screen surface as it is known with mobile phones.

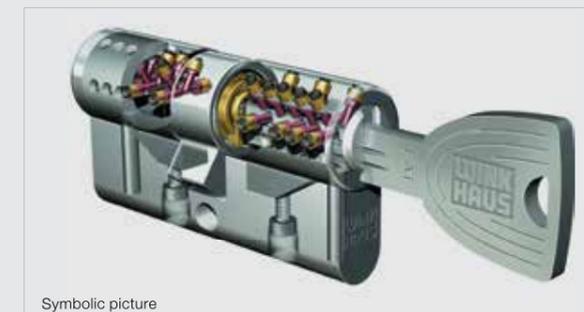
Up to 99 codes can be programmed. Each user can therefore have his own access code. For example, this option allows the code for the cleaning personnel to be deleted and replaced with a new code as required.

## SECURE WITH WINKHAUS CYLINDERS



Symbolic picture

The **standard cylinder** is equipped with scanning and anti-drilling protection, plus two steel pins. It is lockable from both sides, this means that even when the key is in the lock on the inside, it can be locked or unlocked from the outside and vice versa.



Symbolic picture

The **high security cylinder** with three-dimensionally, patented scanning and anti-drilling protection and resistant to pressure and wrenching. The special large shape of the key enables easy locking and prevents bending and breaking of the key. It is lockable from both sides. The symmetrical reversible key can easily be inserted into the cylinder.



Symbolic picture

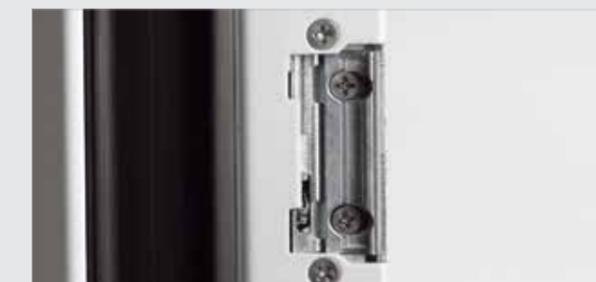
Each high security cylinder comes with a personalised **security card**. This is an important proof of identity when re-ordering a cylinder or key.



The **door block TSH** serves as opening restrictor. It is operated via the main lock from the outside (no cylinder outside). Operation inside occurs via a turn knob.



The **spyhole** is available in matt chrome or brass.



With the **electric door opener/door closer ETOE** (normal function) the door can only be opened while the contact (button pushed) is given (no permanent contact).



## TIMBER/ALUMINIUM ENTRANCE DOORS

TIMBER PROVIDES A DISTINCTIVE APPEARANCE AND CONVEYS WARMTH WHILST CONTRIBUTING CONSIDERABLY TO A PLEASANT ATMOSPHERE. These characteristics are especially important in the entrance area and welcome guests entering the house. The material compound timber/thermal foam/aluminium adds a further advantage: it is suitable for low-energy and passive houses. Additionally, all used timber originates from sustainable forestry.

Timber/aluminium





**HT 410**  
FLUSH

**GA-H1B**  
with side element  
**Colour:** HDH13  
**Handle:** EGS01  
**Glass:** Clear glass



**HT 410 | TIMBER/ALUMINIUM**  
PERFECT DESIGN – FLUSH FRAME AND  
DOOR LEAF CONNECTED MINIMALISTICALLY

**TRENDSETTING ADVANTAGES**

- Flush design – outside and inside
- Highly thermally insulating timber/thermal foam/aluminium composite system
- Concealed door hinges

**TECHNICAL DATA**

- Very high thermal insulation  
**U<sub>D</sub> up to 0.58 W/m<sup>2</sup>K**
- Soundproofing up to **37 dB**
- High security up to resistance class WK2
- Multi-point locking
- Construction depth 121 mm



**FULLY CONCEALED DOOR HINGES**

Perfect design up to the door hinges – these are, contrary to conventional door hinges (right picture), fully integrated (left picture).

**DESIGN STYLE**



Inside view





**GA-B0B**  
Colour: HFM01  
Handle: SGF18  
(HT410-15-001)



**GA-H1B**  
Colour: HFM13  
Handle: EGS01  
(HT410-15-002)



**CO-Z1B**  
Colour: HM907  
Handle: SGE02  
(HT410-15-003)



**GA-A0B**  
Colour: HFM22  
Handle: KGS01  
(HT410-15-004)



**GA-E0B**  
Colour: DM01  
Handle: TEG10  
(HT410-15-005)



**GA-D0B**  
Colour: HM716  
Handle: MGSE08  
(HT410-15-006)



**HT 400**  
STRAIGHT-LINED

**CO-Z1B**  
with side element  
Colour: HM716  
Handle: EGS01



**HT 400 | TIMBER/ALUMINIUM**  
PURISTIC – SMOOTH DOOR LEAF AND SQUARE-EDGED  
FRAME, ARRANGED IN CLEAR ORDER

**TRENDSETTING ADVANTAGES**

- Top security
- Highly thermally insulating timber/thermal foam/aluminium composite system

**TECHNICAL DATA**

- Thermal insulation  $U_b$  up to **0.73 W/m<sup>2</sup>K**
- Soundproofing up to **33 dB**
- High security up to resistance class **WK2**
- Multi-point locking
- Construction depth **85.5 mm**



**BURGLARY-PROOF**

Multi-layered plate constructions suitable for burglary-proof doors (acc. to DIN V ENV 1627) through special arrangement of the different materials (aluminium and phenolic resin layer outside).

**DESIGN STYLE**

- home pure
- home soft
- ambiente



Inside view





**PU-C1B**  
**Colour:** M916  
**Handle:** MGSE10  
**Glass:** Matt white  
 (HT400-15-001)



**PU-F4B**  
**Colour:** HM906  
**Handle:** HS42  
**Glass:** Matt white  
 (HT400-15-002)



**VE-D0B**  
**Colour:**  
 Frame EL02,  
 sash SG07/SG01  
 (security glass)  
**Handle:** KGS02  
 (HT400-15-003)



**SQ-H1B**  
**Colour:** HM735,  
 stainless steel  
**Handle:** KGS01  
**Glass:** Matt white  
 (HT400-15-004)



**GA-H1B**  
**Colour:** HM113  
**Handle:** MGSE8  
 (HT400-15-005)



**PU-L1B**  
**Colour:** HFM13  
**Handle:** SGF17  
**Glass:** Matt white  
 (HT400-15-006)



**ES-A1B**  
**Colour:**  
 Frame HM716,  
 sash HM716, SG07  
 (security glass)  
**Handle:** MGSE10  
**Glass:** Matt white  
 (HT400-15-007)



**PU-G1B**  
**Colour:**  
 Frame M916,  
 sash M916,  
 HM907  
**Handle:** SGF16  
**Glass:** Matt white  
 (HT400-15-008)



**GA-H2B**  
**Colour:** HM768  
**Handle:** MGSE10  
 (HT400-15-009)



**ES-C1B**  
**Colour:**  
 Frame EL02,  
 sash EL02, SG07  
 (security glass)  
**Handle:** TEG15  
**Glass:** Matt white  
 (HT400-15-010)



**ALL-GLASS**

Continuous glass filling (SG = security glass) – with colour design possibilities



**VE-B0B**

**Colour:**  
Frame DM03, sash SG07/  
SG04 (security glass)  
**Handle:** KGS01  
(HT400-15-011)



**PU-B1B**

**Colour:** HFM13  
**Handle:** SGF16  
**Glass:** Matt white  
(HT400-15-012)



**GA-B0B**

**Colour:** DM03  
**Handle:** SGF18  
(HT400-15-013)



**SQ-A0B**

**Colour:**  
Frame M916, sash  
M916, stainless  
steel  
**Handle:** EGS06  
**Glass:** Matt white  
(HT400-15-016)



**CO-B1B**

**Colour:** HM605  
**Handle:** HS10  
**Glass:** Matt white  
(HT400-15-017)



**CO-Z1B**

**Colour:** HM907  
**Handle:** SGE03  
(HT400-15-018)



**PU-E1B**

**Colour:**  
Frame EL02,  
sash HM716  
**Handle:** EGS01  
**Glass:** Linea  
(HT400-15-019)



**GA-F0B**

**Colour:** HFM14  
**Handle:** SGF18  
(HT400-15-014)



**PU-C1B**

**Colour:** HM304  
**Handle:** EGS01  
**Glass:** Matt white  
(HT400-15-015)



**CO-L1B**

**Colour:** HM735  
**Handle:** TGS15  
**Glass:** Matt white  
(HT400-15-020)



**CO-G1B**

**Colour:** HM704  
**Handle:** EGS08  
**Glass:** Matt white  
(HT400-15-021)



**CO-C1B**

**Colour:** HM817  
**Handle:** EGS06  
**Glass:** Matt white  
(HT400-15-022)



**VE-Z0B**

**Colour:**  
Frame EL02, sash  
SG07 (security glass)  
**Handle:** TN69  
(HT400-15-023)



**GA-D0B**  
**Colour:** M916  
**Handle:** TN112  
 (HT400-15-024)



**CO-Z1B**  
**Colour:**  
 Frame HM716,  
 sash M916  
**Handle:** KGS05  
 (HT400-15-025)



**VE-A0B**  
**Colour:**  
 Frame EL02,  
 sash SG07/SG01  
 (security glass)  
**Handle:** TGS15  
 (HT400-15-026)



**GA-A0B**  
**Colour:**  
 Frame DM01,  
 sash DM01,  
 M916  
**Handle:** HS40  
 (HT400-15-027)



**PU-M2B**  
**Colour:** HFM01  
**Handle:** TEG15  
**Glass:** Matt white  
 (HT400-15-028)



**SQ-E1B**  
**Colour:**  
 Frame HM704,  
 sash M916,  
 stainless steel  
**Handle:** TEG12  
**Glass:** Matt white  
 (HT400-15-029)



**PU-K1B**  
**Colour:**  
 Frame HM735,  
 sash HM735, M916  
**Handle:** MGSE8  
**Glass:** Matt white  
 (HT400-15-030)



**PU-H5B**  
**Colour:**  
 Frame HM704,  
 sash M916,  
 HM704  
**Handle:** MGSE6  
**Glass:** Matt white  
 (HT400-15-031)



**PU-D1B**  
**Colour:**  
 Frame HM907,  
 sash HM907,  
 HM906  
**Handle:** MGSE10  
**Glass:** Matt white  
 (HT400-15-032)



**PU-L2B**  
**Colour:**  
 Frame HF817, sash  
 HF817, HM113  
**Handle:** KGS05  
**Glass:** Matt white  
 (HT400-15-033)



**GA-E0B**  
**Colour:**  
 Frame HM716,  
 sash HM716,  
 HM304  
**Handle:** TEG10  
 (HT400-15-034)



**CO-K1B**  
 Colour: M916  
 Handle: TEG12  
 Glass: Matt white  
 Designer elements:  
 Attachments M916  
 (HT400-15-035)



**CO-E1B**  
 Colour: HM817  
 Handle: VZK12  
 Glass: Matt white  
 (HT400-15-036)



**CO-D4B**  
 Colour:  
 Frame HM605, sash  
 M916, HM605  
 Handle: ND14  
 Glass: Mastercarré  
 (HT400-15-037)



**CO-A1B**  
 Colour: HM817  
 Handle: M57  
 Glass: Matt white  
 (HT400-15-038)



**SQ-A0B**  
 Colour: M916,  
 stainless steel  
 Handle: EGS06  
 Glass: Matt white  
 (HT400-15-039)



**CO-K1B**  
 Colour:  
 Frame EL02,  
 sash EL02, HM716  
 Handle: TEG13  
 Glass: Matt white  
 Designer elements:  
 Attachments HM716  
 (HT400-15-040)



**PU-J2B**  
 Colour:  
 Frame HM907,  
 sash HM907,  
 HM113  
 Handle: EGS06  
 Glass: Matt white  
 (HT400-15-041)



**CO-N1B**  
 Colour: HM605  
 Handle: TEG13  
 Glass: Matt white  
 (HT400-15-042)

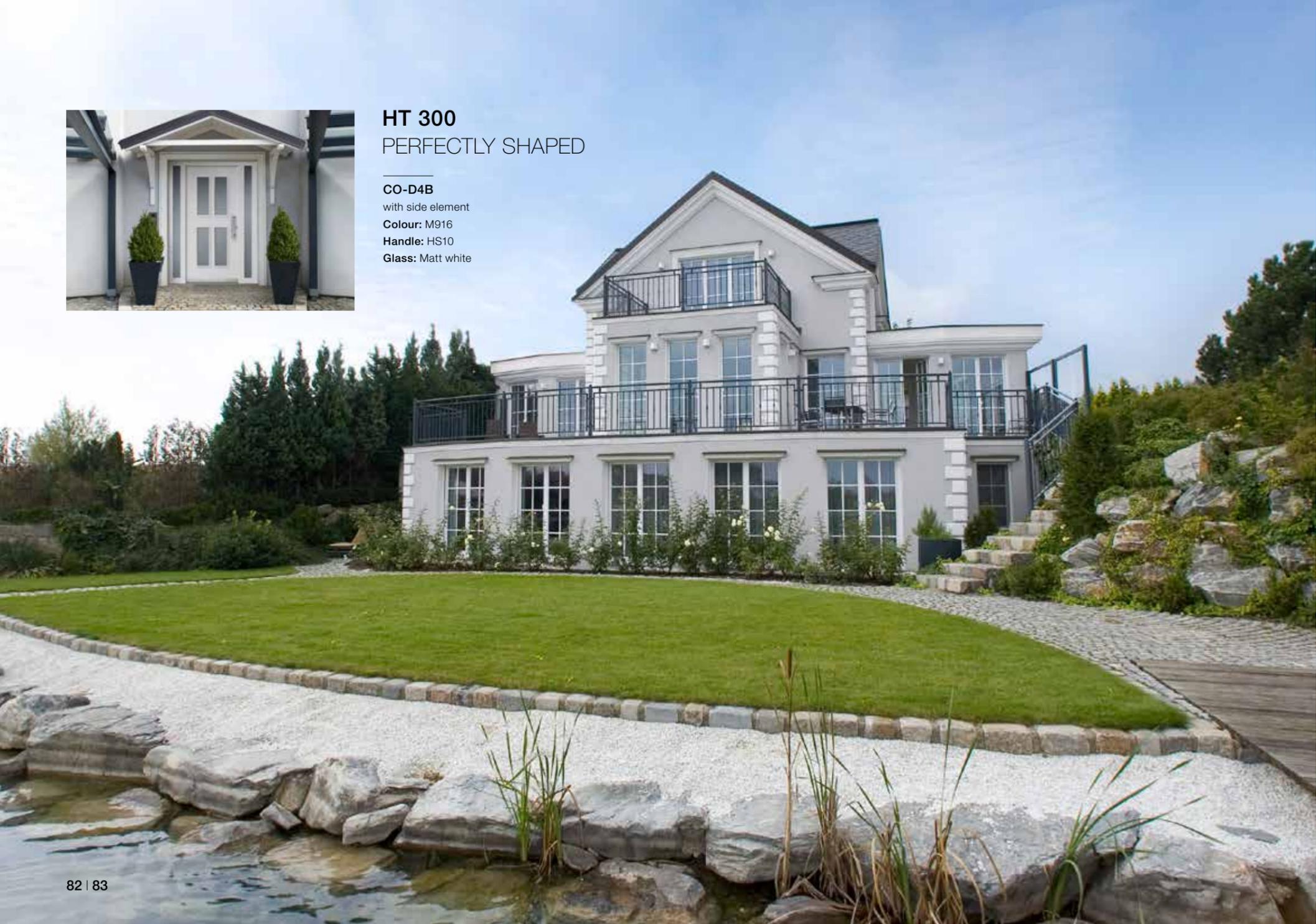


**PU-A1B**  
 Colour: HDS07  
 Handle: KGS01  
 Glass: Matt white  
 (HT400-15-043)



**HT 300**  
PERFECTLY SHAPED

**CO-D4B**  
with side element  
**Colour:** M916  
**Handle:** HS10  
**Glass:** Matt white



**HT 300 | TIMBER/ALUMINIUM**  
STRAIGHT-LINED – FLUSH DOOR LEAF AND SQUARE-EDGED  
FRAME, ADDED HARMONICALLY TO EACH OTHER

**TRENDSETTING ADVANTAGES**

- Plate construction with smooth door leaf on both sides
- Material compound phenol and thermal foam

**TECHNICAL DATA**

- Thermal insulation  $U_b$  up to **0.74 W/m<sup>2</sup>K**
- Soundproofing up to **28 dB**
- High security up to resistance class **WK3**
- Multi-point locking
- Construction depth **85.5 mm**



**CONSTRUCTION CONNECTIONS FOR EVERY SITUATION**

Thermally insulating special profiles in varying heights are available for highly insulating fitting situations.

**DESIGN STYLE**

- home pure
- home soft
- ambiente



Inside view





**PU-F4B**  
 Colour: HM735  
 Handle: HS42  
 Glass: Matt white  
 (HT300-15-001)



**PU-C1B**  
 Colour: HF704  
 Handle: MGSE10  
 Glass: Matt white  
 (HT300-15-002)



**FU-A1B**  
 Colour:  
 Frame M916,  
 sash M916, SG06  
 (security glass)  
 Handle: KGS03  
 Glass: Matt white  
 (HT300-15-003)



**GA-H1B**  
 Colour: HM735  
 Handle: MGSE8,  
 stainless steel base  
 (HT300-15-004)



**SQ-H1B**  
 Colour:  
 Frame HM768,  
 sash HM768,  
 stainless steel  
 Handle: HS42  
 Glass: Matt white  
 (HT300-15-005)



**PU-L1B**  
 Colour: HM113  
 Handle: HS42  
 Glass: Matt white  
 (HT300-15-006)



**ES-C1B**  
 Colour:  
 Frame HM716,  
 sash HM716, SG07  
 (security glass)  
 Handle: MGSE10  
 Glass: Matt white  
 (HT300-15-007)



**GA-H2B**  
 Colour: M916  
 Handle:  
 MGSE10  
 (HT300-15-008)



**CO-B1B**  
 Colour: HM304  
 Handle: MGSE8  
 Glass: Matt white  
 (HT300-15-009)



**PU-G1B**  
 Colour:  
 Frame HM113,  
 sash HM113, M916  
 Handle: MGSE6  
 Glass: Matt white  
 (HT300-15-010)



**ES-C1B**  
 Colour:  
 Frame HM704,  
 sash HM704,  
 SG07 (security  
 glass)  
 Handle: EGS01  
 Glass: Matt white  
 (HT300-15-011)



**PU-B1B**  
 Colour: HM113  
 Handle: MGSE10  
 Glass: Matt white  
 (HT300-15-012)



**FU-B1B**  
 Colour:  
 Frame M916,  
 sash M916, SG01  
 (security glass)  
 Handle: EGS01  
 Glass: Matt white  
 (HT300-15-013)



**GA-B0B**  
 Colour: M916  
 Handle: MGSE8  
 (HT300-15-014)



**PU-D1B**  
 Colour:  
 Frame RAL7011,  
 sash RAL7011,  
 G9006  
 Handle: TN104  
 Glass: Matt white  
 (HT300-15-015)



**CO-L1B**  
 Colour: M916  
 Handle: HS10  
 Glass: Matt white  
 (HT300-15-016)



**GA-A0B**  
 Colour: HM704  
 Handle: TN112  
 (HT300-15-017)



**PU-E1B**  
 Colour:  
 Frame HM704,  
 sash HM704, M916  
 Handle: HS10  
 Glass: Matt white  
 (HT300-15-018)



**CO-A1B**  
 Colour:  
 HM304  
 Handle: HS10  
 Glass: Linea  
 (HT300-15-019)



**CO-Z1B**  
 Colour: HM716  
 Handle: KGS05  
 (HT300-15-020)



**PU-H5B**  
 Colour:  
 Frame HM716,  
 sash HM716,  
 M916  
 Handle: MGSE6  
 Glass: Matt white  
 (HT300-15-021)



**CO-K1B**  
 Colour:  
 Frame HM735,  
 sash HM735, HM716  
 Handle: HS10  
 Glass: Matt white  
 Designer elements:  
 Attachments HM716  
 (HT300-15-022)



**CO-D4B**  
 Colour: M916  
 Handle: ND14  
 Glass: Mastercarré  
 (HT300-15-023)



**SQ-A0B**  
 Colour:  
 Frame RAL1019,  
 Sash RAL1019,  
 stainless steel  
 Handle: EGS06  
 Glass: Matt white  
 (HT300-15-024)



**GA-D0B**  
 Colour: HM113  
 Handle: HS32  
 (HT300-15-025)



**SQ-E1B**  
 Colour:  
 Frame HM907, sash  
 M916, stainless steel  
 Handle: TEG12  
 Glass: Matt white  
 (HT300-15-026)



**PU-K1B**  
 Colour:  
 Frame HM113,  
 sash HM113, M916  
 Handle: MGSE8  
 Glass: Matt white  
 (HT300-15-027)



**CO-G1B**  
 Colour: HM817  
 Handle: EGS01  
 Glass: Matt white  
 (HT300-15-028)



**GA-E0B**  
 Colour:  
 Frame HM907,  
 sash HM735,  
 HM907  
 Handle: GD15  
 (HT300-15-029)



**CO-K1B**  
 Colour: HM735  
 Handle: TEG12  
 Glass: Matt white  
 Designer elements:  
 Attachments HM716  
 (HT300-15-030)



**CO-N1B**  
 Colour: HM113  
 Handle: EGS06  
 Glass: Matt white  
 (HT300-15-031)



**CO-E2B**  
 Colour: HM817  
 Handle: VZK12  
 Glass: Matt white  
 (HT300-15-032)

**H** Handles

EACH DOOR SERIES DEPENDING ON DESIGN STYLE FEATURES A SOPHISTICATED SELECTION OF HANDLES.

Handle sizes shown are not to scale and not all material versions are depicted.

Dimensions are stated in mm, width x height or Ø (diameter).

Please note that not every handle is available for every door series.

**BAR HANDLES**

- KGS01** Square-edged handle bar 40x1000, 2 supports
- KGS02** 40x1200, 2 supports
- KGS03** 40x1400, 2 supports
- KGS04** 40x1600, 3 supports
- KGS05** 40x1800, 3 supports
- KGS06** 40x2000, 3 supports
- stainless steel HT300, HT400, HT410
- RGS01** Round handle bar 30x1000, 2 supports
- RGS02** 30x1200, 2 supports
- RGS03** 30x1400, 2 supports
- RGS04** 30x1600, 3 supports
- RGS05** 30x1800, 3 supports
- RGS06** 30x2000, 3 supports
- stainless steel HT300, HT400, HT410
- EGS01** Handle bar height variable stainless steel HT300, HT400, HT410
- EGS08** Handle bar height variable stainless steel HT300, HT400, HT410
- TN69** Handle bar curved 250x1500 stainless steel HT300, HT400, HT410

**PLATE SETS**

(exclusively for HT 300 and HT 400)

- VZK12** Chrome matt (VZK13 = brass PVD)
- VZK10** Chrome matt
- EGS06** Handle bar 80x1130 stainless steel matt HT300, HT400, HT410
- MGSE6** Strap handle 40x600
- MGSE8** Strap handle 40x800
- MGSE10** Strap handle 40x1000
- Stainless steel HT300, HT400, HT410

**PUSH AND BOW-SHAPED HANDLES** (for HT 300, HT 400 and HT 410)

- TEG10** Push handle 110x330 stainless steel HT300, HT400, HT410
- TEG12** Push handle 108x330 stainless steel HT300, HT400, HT410
- TEG13** Push handle 155x550 stainless steel HT300, HT400, HT410
- TEG14** Push handle 105x450 stainless steel HT300, HT400, HT410
- TEG15** Push handle 48x450 stainless steel HT300, HT400, HT410
- HS32** Push handle 118x477 stainless steel (HS30 = ring stainless steel matt) HT300, HT400, HT410
- HS10** Push handle 93x400 stainless steel HT300, HT400, HT410
- HS40** Push handle 90x500 stainless steel matt HT300, HT400, HT410
- HS41** Push handle 90x500 F8901 HT300, HT400, HT410
- HS42** Push handle 90x500 stainless steel HT300, HT400, HT410
- BS42** Push handle 68x340 stainless steel (BS43 = brass PVD) HT300, HT400, HT410
- BS10** Push handle 66x340 stainless steel (BS11 = brass PVD) HT300, HT400, HT410
- TN104** Push handle 20x580 stainless steel HT300, HT400, HT410
- TN107** Push handle 35x555 stainless steel HT300, HT400, HT410
- TN111** Push handle 60x480 stainless steel HT300, HT400, HT410
- TN112** Push handle 85x446 stainless steel HT300, HT400, HT410
- TN113** Push handle 80x400 stainless steel HT300, HT400, HT410
- TN115** Push handle 100x400 stainless steel HT300, HT400, HT410
- TN116** Push handle 90x350 stainless steel HT300, HT400, HT410
- TN117** Push handle 90x350 stainless steel HT300, HT400, HT410
- BS23** Push handle 68x340 brass PVD (BS22 = stainless steel) HT300, HT400, HT410

### Handles

**LEVERS** (can only be fitted inside with HT 410)

 <b>PD10</b> Aluminium brushed HT300, HT400, HT410	 <b>PD13</b> Chrome satined HT300, HT400, HT410	 <b>PD16</b> Chrome satined HT300, HT400, HT410	 <b>PD19</b> Chrome satined HT300, HT400, HT410	 <b>VD10</b> Chrome matt HT300, HT400, HT410	 <b>VD16</b> Chrome matt HT300, HT400, HT410	 <b>VD20</b> Chrome matt HT300, HT400, HT410
 <b>VD22</b> Chrome gloss HT300, HT400, HT410	 <b>GD10</b> Stainless steel HT300, HT400, HT410	 <b>GD15</b> Stainless steel HT300, HT400, HT410	 <b>GD20</b> Stainless steel HT300, HT400, HT410	 <b>ND14</b> Stainless steel HT300, HT400, HT410	 <b>ND15</b> Stainless steel HT300, HT400, HT410	

**RECESSED HANDLES**  
(exclusively for HT 400 and HT 410)

 <b>SGF11</b> Recessed handle Ø 183 stainless steel	 <b>SGF13</b> Recessed handle 222x129 stainless steel	 <b>SGF14</b> Recessed handle 189x185 stainless steel
 <b>SGF15</b> Recessed handle, 454x114 stainless steel	 <b>SGF16</b> Recessed handle, 432x104 stainless steel	 <b>SGF17</b> Recessed handle 114x504 stainless steel
 <b>SGF18</b> Recessed handle 114x1404 stainless steel	 <b>SGE01</b> Recessed handle 200x200 Aluminium	 <b>SGE02</b> Recessed handle 200x500 Aluminium
	 <b>SGE03</b> Recessed handle 200x700 Aluminium	

**GLASS HANDLES**  
(for HT 300, HT 400, HT 410)

 <b>TGS15</b> Push handle 105x330 Glass	 <b>TGS13</b> Push handle 70x330 Glass
 <b>TGS16</b> Push handle 105x330 Glass	

### Glazing

MATCHING YOUR DIFFERENT DOOR SERIES, THERE IS AN ATTRACTIVE SELECTION OF GLASS TYPES IN THE RESPECTIVE DESIGN STYLES FOR YOU TO CHOOSE FROM.

Variable glass cut-outs are available upon request and after technical clarification.

Please note that not every glass type is available for every door series.

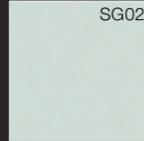
For print and production reasons, colour and pattern deviations between images in the Door book and the original products are possible.

Your **Internorm distribution partner** will gladly show you original colour samples.

**SPECIAL**

 Master-point	 Chinchilla	 Spotlyte
 Linea	 Master-carré	 UADI
 Ornament 504	 Reflo	 Matt white
 Satinato white	 Satinato green	 Satinato blue
 Antdeutsch K	 Kathedral hammered	 Wired glass

**STEPPED GLASS**

 SG01	 SG02	 SG03
 SG04	 SG05	 SG06
 SG07		

**DESIGN**

 MRI	 MR3/MR5
---	---

Surfaces & colours

THERE IS A CORRESPONDING SELECTION OF COLOURS AVAILABLE FOR THE DIFFERENT FRAME AND DOOR LEAF MATERIALS.

Please note that not every colour is available for every door or frame or door leaf.

For print and production reasons, colour and pattern deviations between images in the Door book and the original products are possible. Your **Internorm distribution partner** will gladly advise you and show you original colour samples.

\* **Highly weather-resistant**, except M916 (facade quality).

\*\* Intensive colour appearance, however colour tolerances possible.

\*\*\* **HDH colours** have a lively timber appearance being hand-finished with pattern coating, however colour tolerances are possible.

\*\*\*\* For surface versions **HM** (highly weather-resistant standard colours), **HF** (highly weather-resistant fine structure), **HFM** (highly weather-resistant fine structure metallic), and **HDH** (highly weather-resistant timber decor colours) a special highly weather-resistant powder coating is used.

STANDARD COLOURS\*

M916	HM113
HM605	HM803
HM817	HM768
HM304	HM735
HM704	HM716
HM906	HM907

HDS COLOURS\*\*

HDS01	HDS02
HDS03	HDS04
HDS05	HDS06
HDS07	HDS08

TIMBER DECOR COLOURS\*\*\*

HDH12 Middle brown	HDH13 Dark brown
HDH14 Light brown	HDH17 Light grey

METALLIC DECOR COLOURS

DM01 Dark green	DM02 Grey	DM03 Dark grey
--------------------	--------------	-------------------

STAINLESS STEEL COLOURS

EL01 Stainless steel look matt	EL02 Stainless steel look gloss
-----------------------------------	------------------------------------

hirest COLOURS\*\*\*\*

HF916	HF113	HF735	HF704
HF716	HF817	HF768	HF304
HF605	HFM01	HFM02	HFM03
HFM04	HFM05	HFM11	HFM12
HFM13	HFM14	HFM21	HFM22

SPECIAL COLOURS

A variety of design possibilities is offered by the Internorm RAL colour range.

TIMBER STANDARD COLOURS SPRUCE (varnished)

FI500	FI501	FI502
FI503	FI504	FI505
FI506	FI507	FI508
FI509	SPRUCE (opaque)	FI916

TIMBER STANDARD COLOURS LARCH (varnished)

LA600	LA601	LA602
-------	-------	-------



hookLock M



## STANDARD SECURITY

### hookLock M | STANDARD SECURITY – MECHANICAL

Internorm entrance doors are equipped with multi-point locking as standard.

#### Standard security

Multi-point locking = triple protection through one main bolt and 2 hook bolts.

3 solid door hinges ensure high stability.

Increased burglary protection already with standard cylinder (scanning and anti-drilling protection).

#### Standard comfort

Maintenance-free (no oiling necessary) lock range with standard smoother operation and gentle closing.

Three-dimensionally adjustable door hinges facilitate an even more exact and precise adjustment of the entrance door.

Cylinders lockable on both sides – even lockable when key is in lock on one side.

autoLock AV3



blueMatic EAV3



blueMotion



## ADDED SECURITY

### autoLock AV3 | SECURITY EXTENDED – AUTOMATIC

Multi-point locking automatically with main bolt and two hook bolts. Two additional tightening elements (bolts) ensure tighter closing.

**Added security** | Door locks automatically mechanical. Additional protection through a further manual turn of the key which blocks the door lever on the inside.

**Added comfort** | No locking via key necessary.

### blueMatic EAV3 | SECURITY AND COMFORT – HALF-MOTORIC

Multi-point locking half-motoric with main bolt and two hook bolts. Two additional tightening elements (bolts) ensure tighter closing.

**Added security** | Door locks automatically mechanical – hook bolts engage automatically.

**Added comfort** | No locking or unlocking (unlocking via e-drive) via key necessary, door unlocks from the inside through lever operation. Can be combined with all access control systems: additional manual turn of the key blocks door lever on the inside.

### blueMotion | SECURITY AND COMFORT OF THE TOP-CLASS – FULLY MOTORIC

Multi-point locking fully motoric with main bolt and two hook bolts.

**Added security** | Door locks automatically – hook bolts and main bolt engage automatically.

**Added comfort** | No locking or unlocking via key necessary (locking and unlocking via e-drive). The door unlocks from the inside either by operating the lever (EV-C) or by using the electrical button (EV-E). The door unlocks from the outside via access control systems (e.g. fingerprint, etc.).

Added security features a multitude of additional components such as high security cylinder, door block, signal lamp and many more. Further information can be obtained via your Internorm distribution partner.



## YOUR FINGER IS THE KEY

Have you ever forgotten or lost your key? Have you ever locked yourself out? Has your key ever been stolen? Why carry around a heavy bunch of keys? No need to look for that key again:



### FINGER SCANNER

The integrated finger scanner replaces the conventional key in a convenient way without competition. The control unit is space-saving and securely situated in the door sash. Keys, cards or codes can no longer be forgotten, lost or stolen.

**SIMPLE** – You can open the door by simply “sliding your fingers across”. You can save your own authorised persons – no need for a technician or PC.

**CONVENIENT** – You always have your key “at hand”. No more lost, forgotten or a heavy bunch of keys. This technologically clever software is so intelligent that it learns with every scan and even recognises growth in children's fingers or change in user behaviour.

**SECURE** – Your unique finger print is more secure than a key which can be taken or lost. Manipulations of the system from the outside are impossible. Unauthorised transfer is excluded.



### KEYPAD

The **ekey home integra keypad** is fitted directly into the door sash. Only the ultra-flat decor element is visible.

The system is compatible with all e-openers and motoric locks. A cable transports an encoded opening signal to an electronic relays. The relays sends an opening impulse to the electric lock. Manipulations from the outside are therefore excluded.

Opening occurs by typing in a four to ten digit code of your choice. A six digit code is very secure and easy to remember. A pattern can even be taught via the touch screen surface as it is known with mobile phones.

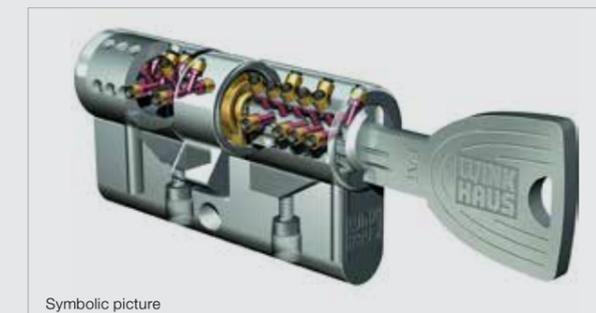
Up to 99 codes can be programmed. Each user can therefore have his own access code. For example, this option allows the code for the cleaning personnel to be deleted and replaced with a new code as required.

## SECURE WITH WINKHAUS CYLINDERS



Symbolic picture

The **standard cylinder** is equipped with scanning and anti-drilling protection, plus two steel pins. It is lockable from both sides, this means that even when the key is in the lock on the inside, it can be locked or unlocked from the outside and vice versa.



Symbolic picture

The **high security cylinder** with three-dimensionally, patented scanning and anti-drilling protection and resistant to pressure and wrenching. The special large shape of the key enables easy locking and prevents bending and breaking of the key. It is lockable from both sides. The symmetrical reversible key can easily be inserted into the cylinder.



Symbolic picture

Each high security cylinder comes with a personalised **security card**. This is an important proof of identity when re-ordering a cylinder or key.



The **door block TSH** serves as opening restrictor. It is operated via the main lock from the outside (no cylinder outside). Operation inside occurs via a turn knob.



The **spyhole** is available in matt chrome or brass.



With the **electric door opener/door closer ETOE** (normal function) the door can only be opened while the contact (button pushed) is given (no permanent contact).

# INDIVIDUAL

THE DESIGN OF YOUR ENTRANCE AREA IS AS INDIVIDUAL AS YOU ARE. INTERNORM OFFERS YOU ADDITIONAL FEATURES TO FURTHER ENHANCE THE DESIGN OF YOUR ENTRANCE DOOR.



## Additional features & Service

### Additional features and competent advice for your entrance door:

Side entrance doors	102
LED lighting	104
Mirror door & special models	106
Checklist	108
Fitting/installation	112
Warranties	114
Certifications & awards	115
Imprint	115

# SIDE ENTRANCE DOORS

Side entrance doors serve as closure from unoccupied rooms (e.g. garage, cellar and storage rooms, etc.). Current statistics show that most burglars gain access through side entrance doors. It is therefore very important to ensure adequate **security features** are taken into consideration. Internorm can offer **different security features upon request**.

Side entrance doors are made of timber/aluminium, aluminium and UPVC and offer a wide range of individual design possibilities.



## TIMBER/ALUMINIUM



HF 210



HF 210



HF 310



HF 310

## ALUMINIUM



AT 150  
Panel model  
Colour: HM704  
Levers: MSD13  
(AT150-15-001)



AT 150  
Georgian/feature  
bar model  
Colour: M916  
Levers: MSD13  
Glass: Kathedral  
hammered  
(AT150-15-003)



AT 150  
Glass panel combination  
Colour: HM716  
Levers: MSD13  
Glass: Satinato white  
(AT150-15-002)



AT 150  
Glass panel combination  
Colour: HM735  
Levers: MSD13  
Glass: Kathedral  
hammered  
(AT150-15-004)

## UPVC



KF 410



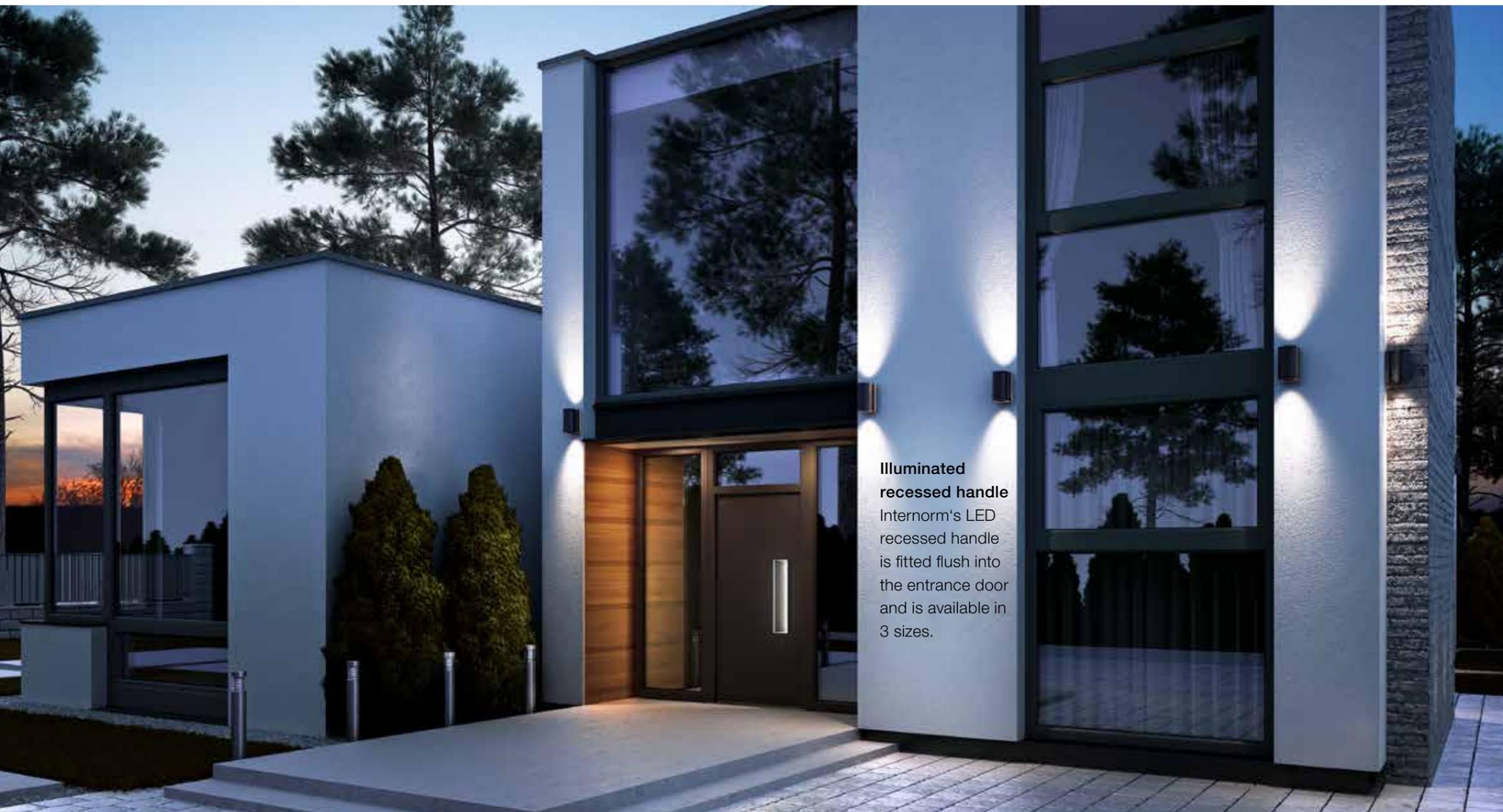
KF 405



KF 200



KF 200



**Illuminated recessed handle**  
Internorm's LED recessed handle is fitted flush into the entrance door and is available in 3 sizes.

## SET HIGHLIGHTS WITH LIGHTING

A well-lit, friendly entrance area is welcoming for guests and home owners alike. Different types of lighting can add special charm to the entrance.

You can set highlights with lighting directly on the entrance door with an LED lighting in the recessed handle or in the threshold area.

Internorm's LED lighting can be fitted into aluminium and timber/aluminium entrance doors and can be equipped with a dimmer switch. The light switches on automatically at dusk. A motion sensor can also be connected.



**Illuminated door leaf**  
LED lighting is fitted directly in the threshold area of the entrance door and thus offers a well-lit entrance.



# MIRROR, MIRROR

A last check in the mirror before you leave the house – quickly arrange your hair, check your clothes are sitting right...

No need to make a special trip to the bathroom or dressing room with the mirror door from Internorm. The large-scale mirror is fitted directly to the inside of the entrance door. Matching the colour of your aluminium entrance door or the inside of the entrance area, the mirror is available in three different colours and is fitted flush directly into the door leaf.



**Special models**  
Upon request we can manufacture aluminium and timber/aluminium doors according to your unique requirements. Such as this bespoke entrance door with a ceramic surface in a rust effect.



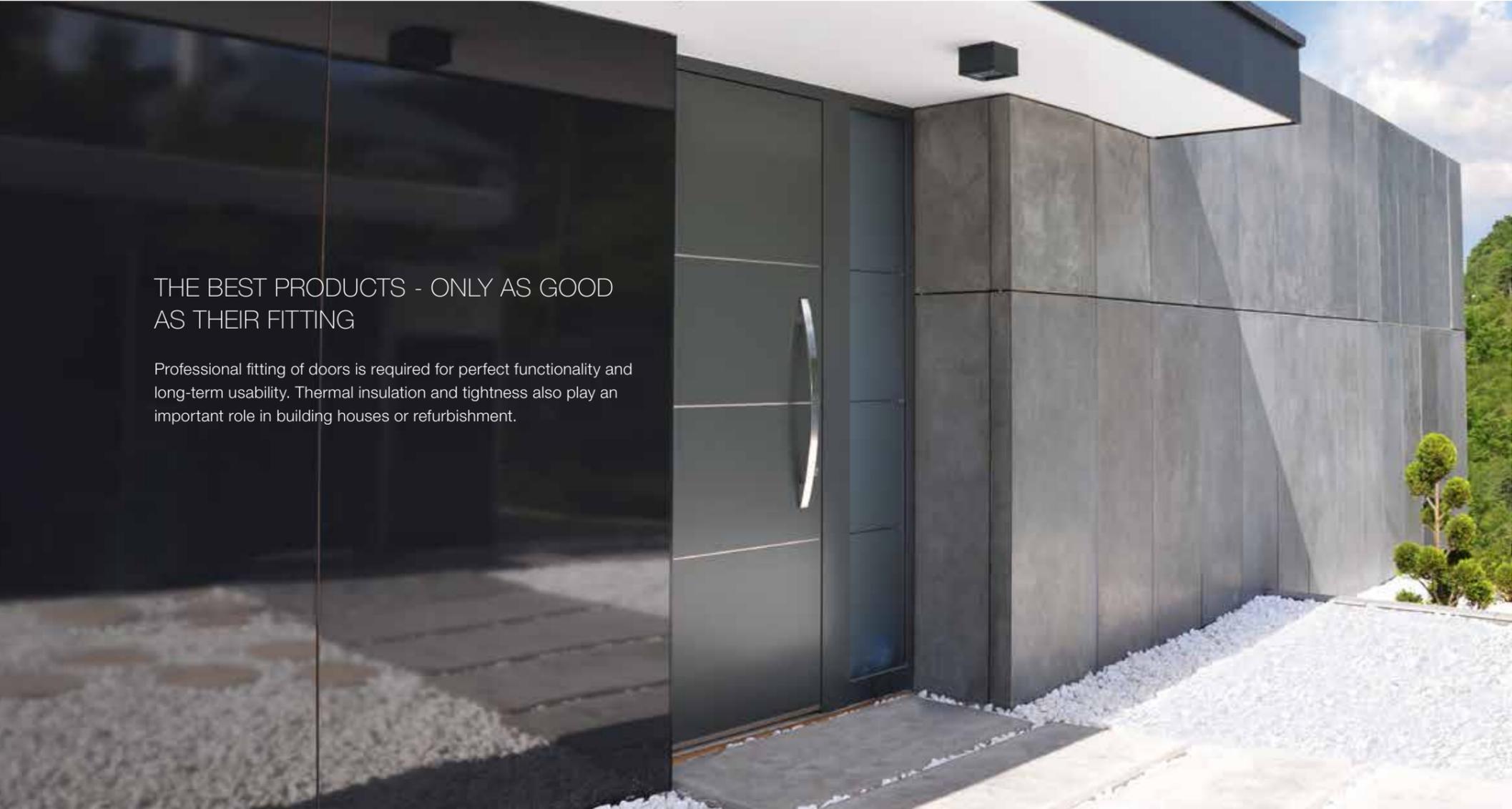
## DOORS DETERMINE THE CHARACTER OF YOUR HOUSE CONSIDERABLY

The entrance area especially conveys first impressions and gives some insight into the people living there. Consider therefore the design of your entrance door in advance. The following checklist gives you important details to be aware of.

## Checklist for your door purchase

<b>Reasons for door purchase</b>	<input type="checkbox"/> New building <input type="checkbox"/> Refurbishment
<b>Type of building</b>	<input type="checkbox"/> Single family house or block of flats <input type="checkbox"/> Low energy house <input type="checkbox"/> Passive house
<b>Selection of frame material</b>	<input type="checkbox"/> Timber/aluminium <input type="checkbox"/> Aluminium <input type="checkbox"/> UPVC
<b>Door design possibilities</b>	<input type="checkbox"/> Design <input type="checkbox"/> Fixed elements <input type="checkbox"/> Fanlights <input type="checkbox"/> Colours (all RAL colours, timber decor, metallic decor, stainless steel colours, timber colours etc.) <input type="checkbox"/> Glazing <input type="checkbox"/> Handles <input type="checkbox"/> Locking/burglary protection
<b>Opening types</b>	<input type="checkbox"/> Inward opening turn door <input type="checkbox"/> Outward opening turn door
<b>Thermal insulation</b>	<input type="checkbox"/> Passive house suitable thermal insulation $U_w \sim 0,8 \text{ W/m}^2\text{K}$ <input type="checkbox"/> Low energy suitable thermal insulation $U_w = 0.8 \text{ up to } 1.0 \text{ W/m}^2\text{K}$ <input type="checkbox"/> Increased thermal insulation $U_w = 1.0 \text{ up to } 1.2 \text{ W/m}^2\text{K}$ <input type="checkbox"/> Standard version $U_w = 1.2 \text{ up to } 1.3 \text{ W/m}^2\text{K}$
<b>Fitting of doors</b>	<input type="checkbox"/> Qualified specialist fitting with good practise standards (e.g. ÖNORM, RAL etc.) <input type="checkbox"/> Planning of fitting with good practise standards – together with Internorm distribution partner
<b>Care and maintenance</b>	<input type="checkbox"/> Maintenance contract with qualified Internorm distribution partner <input type="checkbox"/> Maintenance through personal contribution <input type="checkbox"/> Observation of Internorm handbook/warranty, care and maintenance

<b>Door quotes: When comparing always observe this:</b>	<input type="checkbox"/> Door measurements <input type="checkbox"/> Glazing <input type="checkbox"/> Locking <input type="checkbox"/> Construction depth <input type="checkbox"/> Accessories <input type="checkbox"/> Surface version <input type="checkbox"/> Thermal insulation and soundproofing values (acc. to test certificates) <input type="checkbox"/> Number of gaskets <input type="checkbox"/> Design version <input type="checkbox"/> Certification marks
<b>Warranty services</b>	<input type="checkbox"/> On profiles (discolouration, cracks, show of condensation on insulating glass) <input type="checkbox"/> On surfaces <input type="checkbox"/> On glazing <input type="checkbox"/> On function <input type="checkbox"/> Reliability of door manufacturer as warrantor <input type="checkbox"/> Market product as security
<b>Which services can I expect?</b>	<input type="checkbox"/> Measuring of door <input type="checkbox"/> Detailed, transparent quote with images <input type="checkbox"/> Fitting <input type="checkbox"/> Maintenance <input type="checkbox"/> Others
<b>Please note:</b>	<input type="checkbox"/> Local construction regulations <input type="checkbox"/> Adherence to possible design templates <input type="checkbox"/> Funding <input type="checkbox"/> Delivery timescale
<b>Price/performance ratio regards personal demands</b>	<input type="checkbox"/> Manufacturing quality <input type="checkbox"/> Comprehensive warranties and longevity <input type="checkbox"/> Maximum energy efficiency – perfect thermal insulation – low heating costs <input type="checkbox"/> Climate protection: lower CO <sub>2</sub> emission through superior thermal insulation <input type="checkbox"/> Burglary protection <input type="checkbox"/> Uncomplicated care and maintenance <input type="checkbox"/> Cost effective care and maintenance <input type="checkbox"/> Quick amortisation of the investment <input type="checkbox"/> Value retention of decades



THE BEST PRODUCTS - ONLY AS GOOD AS THEIR FITTING

Professional fitting of doors is required for perfect functionality and long-term usability. Thermal insulation and tightness also play an important role in building houses or refurbishment.

FITTING AND INSTALLATION

**Especially in the connection area to the brickwork big heat losses can occur.**

Practice has shown that it is in this area where condensation and mould can occur. Therefore, pay special attention to the right building connection – this depends on an impeccable installation.

Fitting should only be carried out by trained personnel such as your **Internorm distribution partner**, who can guarantee you installations according to the most up-to-date technology, compliance to the standards and observance to the structural-physical principles which are necessary when installing doors.

**Professional fitting will guarantee:**

- Protection from rain and wind entering in from the outside.
- Excellent thermal and sound insulation.
- No condensation in the joint between door and brickwork.
- Lasting function and usability.

**Outside air temperature, rain, wind, etc.:**

The connection to the brickwork needs to be permanently tight from the outside to prevent it from wind and driving rain. These requirements do not only apply to the window, but also to the window cill connection area. Should humidity enter from the inside, it needs to be able to escape to the outside via the sealing (permeable).

**Important points to consider when fitting doors:**

Room air temperature and humidity: The connection to the wall (construction connection joint) needs to be closed off and permanently airtight from the inside. This prevents damp warm room air entering into the joint, cooling off and forming condensation and mould.

**Own weight:**

Load bearing occurs via packers, fixing is carried out via frame rawl plugs or wall anchors. (Nailing does not comply with the state of the art.) The fixing distances are dependent on the frame material.

**Thermal insulation, soundproofing:**

The middle level of the construction connection joint needs to be filled up completely with insulation material. This level undertakes thermal insulation and soundproofing, but not the function of sealing off against wind and humidity.

**Movements of the frame construction/building:**

Deformations through wind and service loads (leaning against it) and changes in length due to temperatures need to be adjusted by mechanical fixings and distance blocks. Sagging due to the design of the building (especially with large openings) needs to be solved during the planning stage – the elements must not carry any loads resulting from the construction.

## WE GUARANTEE YOU MANY YEARS OF PLEASURE WITH YOUR INTERNORM DOORS

<p>Warranty</p> <p><b>10</b> YEARS</p>	<ul style="list-style-type: none"> <li>• No unnatural colour changes or cracked surfaces due to weather influences for white window and door profiles made of UPVC, with the exception of mitre cracks.</li> <li>• No unnatural colour changes or cracked inside surfaces due to weather influences for foil-coated window and door profiles made of UPVC, with the exception of mitre cracks.</li> <li>• No unnatural colour changes or cracked surfaces due to weather influences for anodised or powder coated window and door profiles made of aluminium.</li> <li>• No condensation between the panes of insulating glass.</li> <li>• The function of the timber, thermal foam and aluminium profile compounds is guaranteed for all Internorm timber/aluminium window systems, provided that the Internorm installation and maintenance guidelines have been adhered to.</li> <li>• The function of the adhesive and the sealing of insulation glass panes with the window profiles is guaranteed for all Internorm timber/aluminium window systems, provided that the Internorm installation and maintenance guidelines have been adhered to.</li> <li>• The glue connection of glued Georgian/feature bars.</li> </ul>
<p>Warranty</p> <p><b>5</b> YEARS</p>	<ul style="list-style-type: none"> <li>• PVD coated door handles are guaranteed against corrosion if there is no mechanical change.</li> <li>• No unnatural colour changes or surface cracks due to weather influences in door fillings. There is no guarantee for changes in the surface appearance as a result of dirt.</li> </ul>
<p>Warranty</p> <p><b>3</b> YEARS</p>	<ul style="list-style-type: none"> <li>• No unnatural colour changes or surface cracks due to weather influences for roller shutter profiles made of UPVC.</li> <li>• No unnatural colour changes or surface cracks due to weather influences for anodised or powder coated roller shutter and blind profiles made of aluminium.</li> <li>• The function of the window or door hardware is guaranteed, provided that the Internorm installation and maintenance guidelines have been adhered to.</li> </ul>
<p>Assurance</p> <p><b>30</b> YEARS</p>	<p>Furthermore, Internorm guarantees safe-guarding that Internorm products can be repeatedly serviced by our experts in such a fashion (original parts not obligatory), to retain their full function for a period of 30 years. However, this presupposes the frame construction (frame and sash) is not damaged. The 30-year period starts from the production date. The services required to maintain the functionality, including the materials required, labour etc. will be invoiced according to the currently valid rates.</p>

**Warranties/extract:** The full wording of our warranty conditions, the exact preconditions of the warranty, and what you should do in the event of a claim, can be found in the Internorm Care and Maintenance Manual. You will receive this booklet when your Internorm products are delivered. In addition, it is obtainable from any Internorm distribution partner.