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



**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.

# 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 /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

Technology Overview

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
		ambiente	ambiente	ambiente		ambiente	ambiente
Thermal insulation	★★★★★ U <sub>b</sub> up to 0.78 W/m²K	★★★★★ U <sub>b</sub> up to 0.75 W/m²K	★★★★★ U <sub>b</sub> up to 0.81 W/m²K	★★★★★ U <sub>b</sub> up to 1.2 W/m²K	★★★★★ U <sub>b</sub> = 0.58 W/m²K	★★★★★ U <sub>b</sub> up to 0.73 W/m²K	★★★★★ U <sub>b</sub> up to 0.74 W/m²K
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	★★★★★ Up to WK3
Locking	★★★★★ Multi-point 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	85.5
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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>b</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)



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



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

## AT 410 | Aluminium





#### 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)



#### FJ

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



#### FG

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



#### FJ

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



#### HEAVY DUTY JOINERS

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



#### 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.

## AT 410 | Aluminium



**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)

## AT 410 | Aluminium



**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)



With alunox glass surround



**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)



Without alunox glass surround

### ALUNOX GLASS SURROUND

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



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



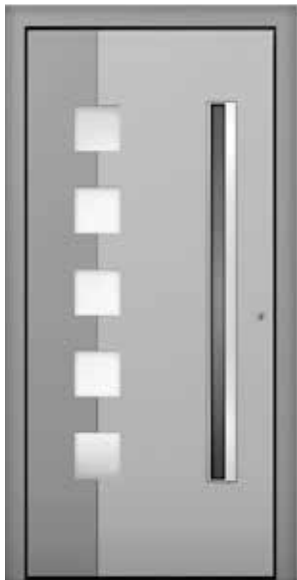
**DG**  
**Colour:** M916  
**Handle:** SGF17A  
**Glass:** Matt white,  
alunox glass  
surround  
(AT410-15-026)



**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)

## AT 400 | Aluminium





**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



AT 310 | Aluminium



**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)

## AT 310 | Aluminium





**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)

## AT 310 | Aluminium



**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

### 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/m²K**

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)

## AT 200 | Aluminium





**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)

## AT 200 | Aluminium





**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)



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



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



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



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



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



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



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



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

## AT 200 | Aluminium



**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)

## AT 200 | Aluminium





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  
AT310,  
AT400,  
AT410

**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  
AT310,  
AT400,  
AT410

**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  
  
stainless steel  
AT310, AT400,  
AT410


**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



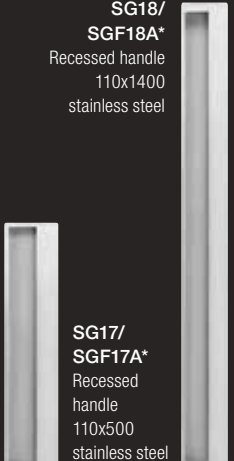
**SG14/  
SGF14A\***  
Recessed handle  
185x185  
stainless steel




**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

Handles

PLATE SETS (exclusively for AT 200)

**VSD10**  
Chrome matt

**VSK10**  
Chrome matt

**VZK10**  
Chrome matt

**VSD12**  
Chrome matt  
(VSD13 = brass PVD)

**VSK12**  
Chrome matt  
(VSK13 = brass PVD)

**VZK12**  
Chrome matt  
(VZK13 = brass PVD)

**VSK14**  
Chrome matt  
(VSK15 = brass PVD)

**VZK14**  
Chrome matt  
(VZK13 = brass PVD)

**PSK11**  
Stainless steel  
(PSK10 = brass PVD)  
(PSK12 = aluminium natural)

**PZD12**  
Aluminium natural  
(PZD10 = brass PVD)  
(PZD11 = stainless steel)

**PSD11**  
Stainless steel  
(PSD10 = brass PVD)  
(PSD12 = aluminium natural)

**PZK12**  
Aluminium natural  
(PZK10 = brass PVD)  
(PZK11 = stainless steel)

**MSD13**  
Stainless steel  
(MSD10 = RAL9016)  
(MSD12 = aluminium natural)  
(MSD14 = brass PVD)

**MSB12**  
Aluminium natural  
(MSB10 = RAL9016)  
(MSB13 = stainless steel)  
(MSB14 = brass PVD)

**MSV13**  
Stainless steel  
(MSV14 = brass PVD)

**PSD61**  
Stainless steel

**PSK61**  
Stainless steel

**PSD30**  
Brass PVD

**PSK30**  
Brass PVD

**VSD15**  
Brass PVD  
(VSD14 = chrome matt)

PUSH AND BOW-SHAPED HANDLES

**TEG10**  
Push handle  
110x330  
stainless steel  
AT200, AT310,  
AT400, AT410

**TEG12**  
Push handle  
108x330  
stainless steel  
AT200, AT310,  
AT400, AT410

**TEG13**  
Push handle  
155x550  
stainless steel  
AT200, AT310,  
AT400, AT410

**TEG14**  
Push handle  
105x450  
stainless steel  
AT200, AT310,  
AT400, AT410

**TEG15**  
Push handle  
48x450  
stainless steel  
AT200, AT310,  
AT400, AT410

**PB20**  
Bow-shaped handle  
171x350  
stainless steel  
(PB21 = aluminium F1)  
(PB22 = aluminium blank)  
AT200

**PB30**  
Bow-shaped handle  
100x300  
stainless steel  
(PB31 = aluminium F1)  
(PB32 = aluminium blank)  
AT200

**HS32**  
Push handle  
118x477  
stainless steel  
(HS30 = ring stainless steel matt)  
AT200, AT310,  
AT400, AT410

**HS10**  
Push handle  
93x400  
stainless steel  
AT200, AT310,  
AT400, AT410

**HS40**  
Push handle  
90x500  
stainless steel matt  
AT200, AT310,  
AT400, AT410

**HS41**  
Push handle  
90x500  
F8901  
AT200, AT310,  
AT400, AT410

**HS42**  
Push handle  
90x500  
stainless steel  
AT200, AT310,  
AT400, AT410

**BS42**  
Push handle  
68x340  
stainless steel  
(BS43 = brass PVD)  
AT200, AT310,  
AT400

**BS10**  
Push handle  
66x340  
stainless steel  
(BS11 = brass PVD)  
AT200, AT310,  
AT400

**BS23**  
Push handle  
68x340  
brass PVD  
(BS22 = stainless steel)  
AT200, AT310, AT400

HANDLE ACCESSORIES (exclusively for AT 200)

**84708**  
Door knocker  
100x131 mm  
chrome matt  
(84707 = brass PVD)

**84703**  
Door knocker  
110x177 mm  
brass PVD

**84701**  
Door knocker  
88x126 mm  
brass PVD  
(84702 = chrome matt)

56 | 57

Internorm®



Glazing

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

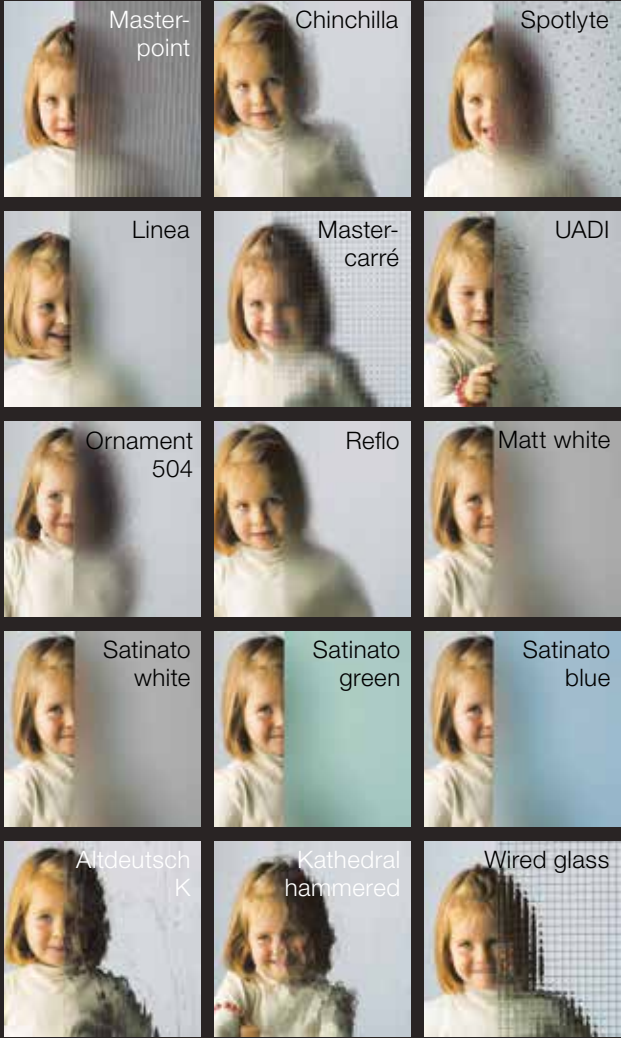
Variable glass cut-outs are available upon request and after technical clarification.

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.

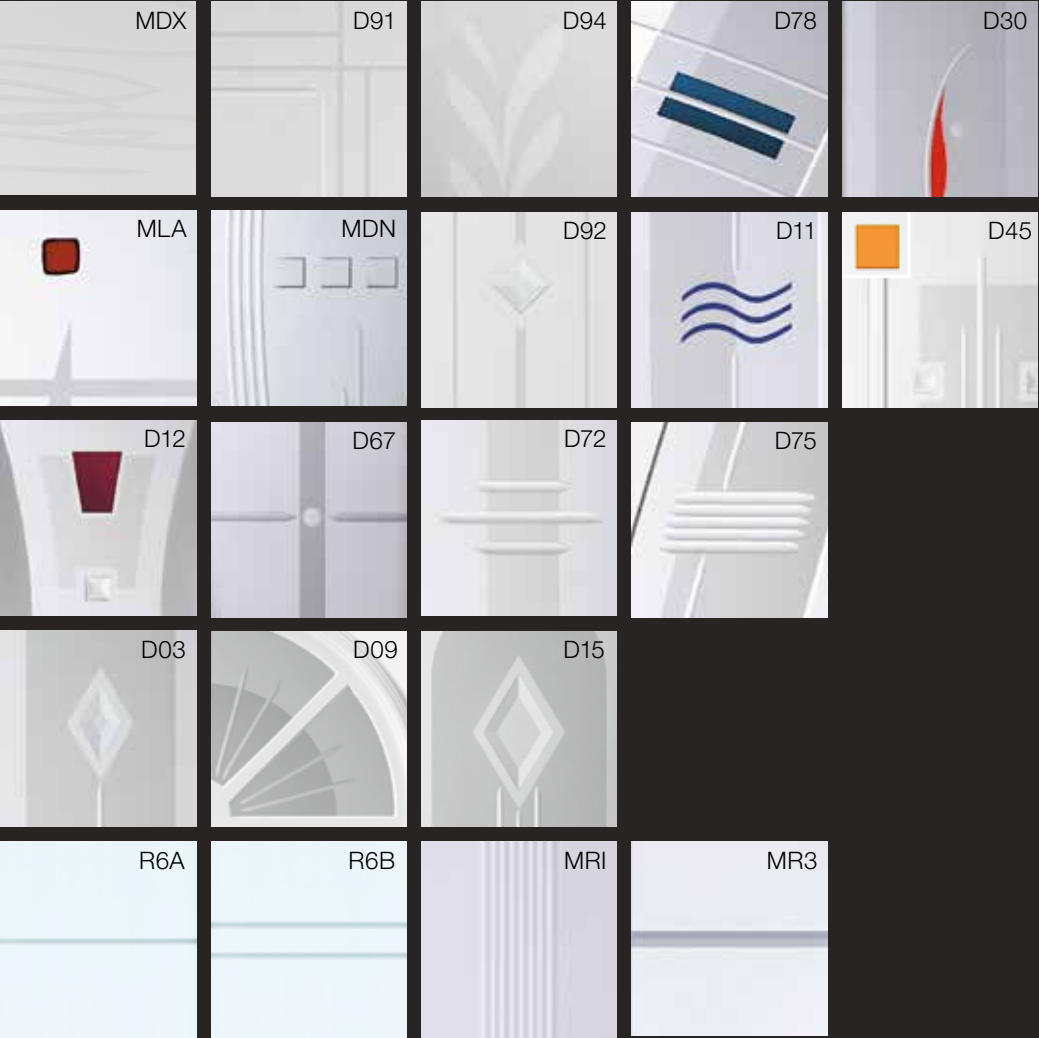
Your **Internorm distribution partner** will gladly show you original colour samples.

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\*

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

HDS COLOURS\*\*

HDS01	HDS02
HDS03	HDS04
HDS05	HDS06
HDS07	HDS08

SD COLOURS

SD01 Oak burl	SD02 Olive
SD03 Art concrete	SD04 High gloss black

Technically not possible for door system AT 200.

METALLIC DECOR COLOURS

DM01 Dark green	DM02 Grey	DM03 Dark grey
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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

TIMBER DECOR COLOURS\*\*\*

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

SPECIAL COLOURS

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





MV



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.

MV-AM



EE



EV-E, EV-C



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. 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 relais. The relais sends an opening impulse to the electric lock. Manipulations from the outside are therefore excluded.

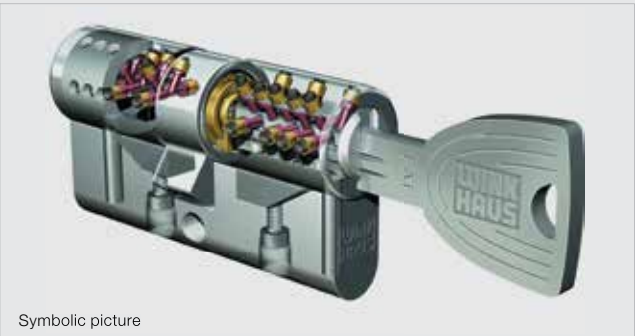
Opening occurs by typing in a four to ten digit code of your choice. A six digit code is very secure and easy to remember. A pattern can even be taught via the touch screen surface as it is known with mobile phones.

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.

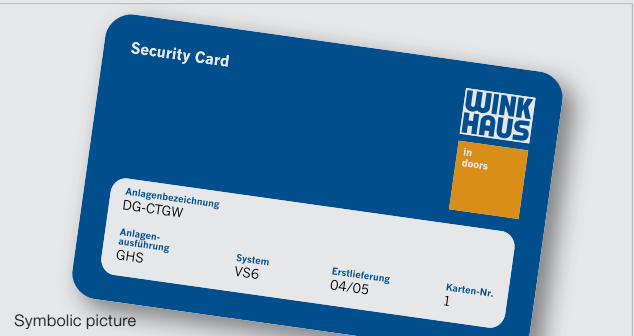
SECURE WITH WINKHAUS CYLINDERS



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.



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.



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/m²K**  
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

studio



Inside view

HT 410 | Timber/aluminium







**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

### 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

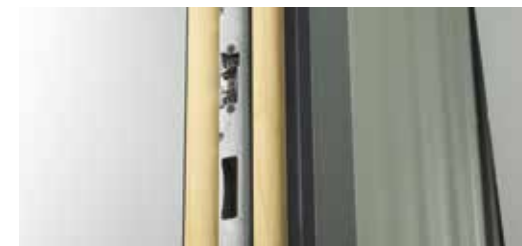
Thermal insulation  $U_D$  up to **0.73 W/m²K**

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)

## HT 400 | Timber/aluminium



**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)

HT 400 | Timber/aluminium



**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 400** | Timber/aluminium





## HT 300

PERFECTLY SHAPED

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

HT 300 | Timber/aluminium

**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  $U_o$  up to **0.74 W/m²K**  
Soundproofing up to **28 dB**  
High security up to resistance class WK3  
Multi-point locking  
Construction depth 85.5 mm

### DESIGN STYLE

home pure

home soft

ambiente



### CONSTRUCTION CONNECTIONS FOR EVERY SITUATION

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



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)

## HT 300 | Timber/aluminium



**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)

## HT 300 | Timber/aluminium



**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)

## HT 300 | Timber/aluminium





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  
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



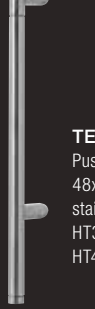
**TEG12**  
Push handle  
108x330  
stainless steel  
HT300, HT400,  
HT410



**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)

**PD10**  
Aluminium brushed  
HT300, HT400, HT410

**PD13**  
Chrome satined  
HT300, HT400, HT410

**PD16**  
Chrome satined  
HT300, HT400, HT410

**PD19**  
Chrome satined  
HT300, HT400, HT410

**VD10**  
Chrome matt  
HT300, HT400, HT410

**VD16**  
Chrome matt  
HT300, HT400, HT410

**VD20**  
Chrome matt  
HT300, HT400, HT410

**VD22**  
Chrome gloss  
HT300, HT400, HT410

**GD10**  
Stainless steel  
HT300, HT400, HT410

**GD15**  
Stainless steel  
HT300, HT400, HT410

**GD20**  
Stainless steel  
HT300, HT400, HT410

**ND14**  
Stainless steel  
HT300, HT400, HT410

**ND15**  
Stainless steel  
HT300, HT400, HT410

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

**TGS15**  
Push handle  
105x330  
Glass

**TGS13**  
Push handle  
70x330  
Glass

**TGS16**  
Push handle  
105x330  
Glass

**SGF18**  
Recessed handle  
114x1404  
stainless steel

**SGF11**  
Recessed handle  
222x129  
stainless steel

**SGF13**  
Recessed handle  
222x129  
stainless steel

**SGF14**  
Recessed handle  
189x185  
stainless steel

**SGF15**  
Recessed handle, 454x114  
stainless steel

**SGF16**  
Recessed handle, 432x104  
stainless steel

**SGF17**  
Recessed handle  
114x504  
stainless steel

**SGE01**  
Recessed handle  
200x200  
Aluminium

**SGE02**  
Recessed handle  
200x500  
Aluminium

**SGE03**  
Recessed handle  
200x700  
Aluminium

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

Airdeutsch K

Kathedral hammered

Wired glass

STEPPED GLASS

SG01

SG02

SG03

SG04

SG05

SG06

SG07

DESIGN

MRI

MR3/MR5

92 | 93

Internorm®



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
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STAINLESS STEEL COLOURS

EL01 Stainless steel look matt	EL02 Stainless steel look gloss
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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
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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. 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 relais. The relais sends an opening impulse to the electric lock. Manipulations from the outside are therefore excluded.

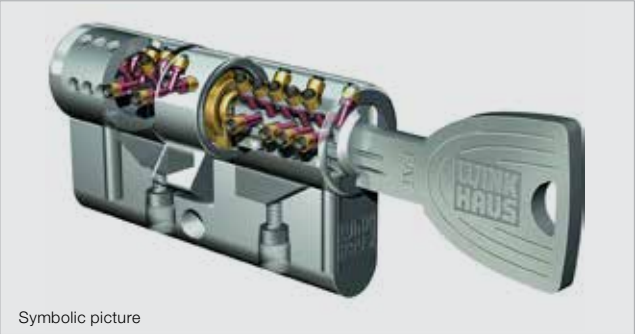
Opening occurs by typing in a four to ten digit code of your choice. A six digit code is very secure and easy to remember. A pattern can even be taught via the touch screen surface as it is known with mobile phones.

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



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.



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.



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:**

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# 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: Cathedral  
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: Cathedral 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.



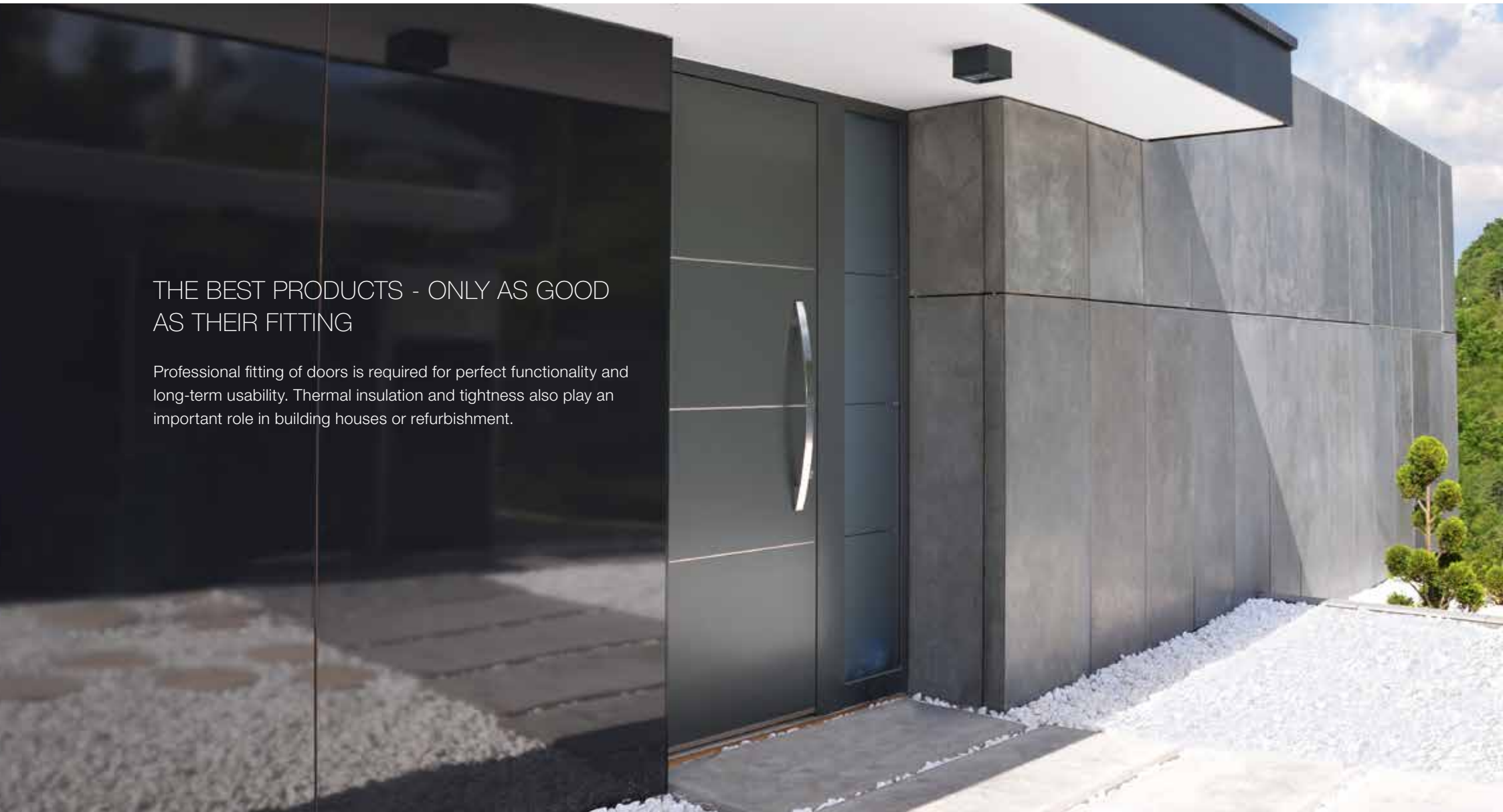


## DOORS DETERMINE THE CHARACTER OF YOUR HOUSE CONSIDERABLY

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.

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

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



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.

**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.

**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.

**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).

**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.

**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.