

DOORS 2014/15

Highlights of Architecture



INTERNORM IN EUROPE ...

Already more than 20 million window and door units, 100% made in Austria, have been manufactured in our three production sites Traun, Sarleinsbach and Lannach.

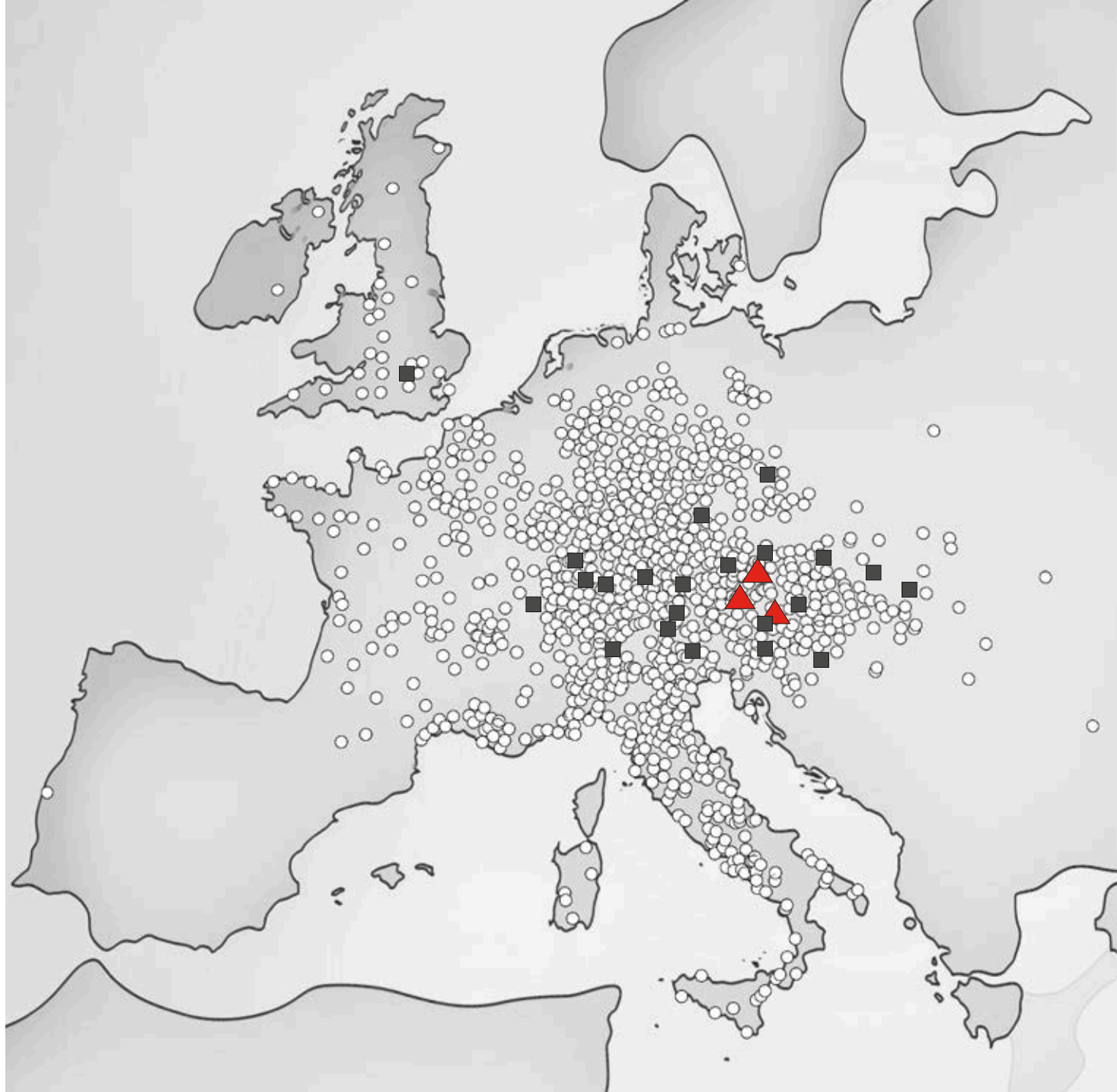
From the birth of the UPVC window and the production of timber/aluminium windows as well as timber and timber/aluminium doors to today's high tech and high design innovations our family company has been setting standards all over Europe.

Our continuous further development in technology and our new innovative ideas make us the undefeated pioneer in the brand.

Our 1900 employees Europe-wide are specialists who love attention to detail and act with much passion and inventiveness.

Together with more than 1250 distribution partners in 20 countries we can guarantee you perfect product quality with high service competence.

- ▲ Internorm manufacturing sites (production exclusively in Austria)
- Internorm head offices
- Internorm distribution partners



ALUMINIUM

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TIMBER/ALUMINIUM

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Design styles

studio

home pure
soft

ambiente



Technical information



Thermal insulation



Soundproofing



Security



Locking



Profile construction depth

Accessories



Handles



Colours



Glass types



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

WE CAN OFFER YOU ...

INDIVIDUAL DOORS | Each door is unique, because each Internorm door is manufactured according to your individual requirements and exactly made to measure in our highly modern production site in Upper Austria. You can decide if you would like to use an aluminium door or a timber/aluminium door for your property.

MODERN TECHNOLOGY | Excellent thermal insulation values and perfect security are natural with Internorm doors. On top of this, our own research and development department is continuously creating new technologies so that we can offer you even more comfort and security.

DIVERSE DESIGN | Internorm offers the right door for each design style. Do you rather feel at home with the Studio style or are you more of an Ambiente type? Whatever – our flush doors with square-edged, profiled or rounded door sash design as well as a large selection of colours, glass types and handles offer you almost limitless design possibilities.

PERFECT COMBINABILITY | Would you like your entrance door to fit perfectly to your windows and to the style of your house? Perfect. Internorm entrance doors can be perfectly combined with UPVC/aluminium and timber/aluminium windows. The door and window design – and therefore the exterior design – always remain the same.

COMPETENT PARTNERS | We have developed a unique way to look after our customers – the “Customer Care Program“. We are only satisfied when you, our customers, are satisfied. Our more than 1250 distribution partners in 20 countries ensure reliable advice and customer care. They will respond to individual wishes, advise you professionally, take the required original measurements at your home and present you with a fair and clear quote.

PROFESSIONAL INSTALLATION | How would you like to rely on a perfect door installation? With our distribution partners you are taken care of. A competent installation team with certified installation specialists ensures clean and professional installation according to the usual standards. After the installation they will together with you check all installed products for their full functionality and will give you valuable tips for care and maintenance.

INTERNORM IN EUROPE | 1900 employees and 1250 distribution partners Europe-wide, more than 80 years of experience and more than 20 million produced window and door units since its establishment, make our family company the market leader in Europe.

INTERNORM IN TECHNOLOGY | We are putting great emphasis on our most modern production technologies and are possessing an unprecedented capacity for manufacturing depth with our window and door production sites which causes independence to a large extent from system developers. Profile extrusion, insulating glass and sun protection production, all 100 % made in Austria, are proof to this claim.

INTERNORM IN QUALITY | We can offer a large range of highly thermally insulating low energy and passive house windows and are passive house certified several times over.

INTERNORM IN INNOVATIONS | We have been setting standards in Europe for decades with trendsetting window and door solutions and are considered to be the trendsetter of the window and door brand.

INTERNORM IN COMPETENCE | The high number of international and national awards and certifications testify to the leading role in product development and manufacture of the most modern windows and doors. We are looking after our distribution partners with our professional team and highest competence for sustainable market development.

INTERNORM IN SERVICE | Buying windows and doors is a matter of trust.



3rd GENERATION
f.l.t.r.: Mag. Christian Klinger,
Mag. Anette Klinger, DI (FH)
Stephan Kubinger, MBA



[1st] WINDOW
20 million sold windows and doors speak a clear language:
Internorm stands for quality and trust



HEADQUARTERS IN TRAUN
Refurbishment combines most modern office architecture with new concepts of energy efficiency. The know-how originates from Internorm and sister company from the IFN Holding.

DesignStyles

HIGHLIGHTS OF ARCHITECTURE

The architecture of a building reflects the people who live in it. Internorm is connecting people and buildings and therefore can offer individual styles of living. With Internorm windows and doors you can fulfill your dream of living.

To help you find a door solution which meets your criteria for architecture, design and comfort perfectly amidst the many possibilities in shape, colour and material, you can choose from three different Internorm design styles: [studio](#), [home](#) and [ambiente](#).

Therefore the question:

IN WHICH BUILDING DO YOU FEEL AT HOME?

DesignStyle



studio

Follows a very clear, puristic line in its design.

This style with its avant-garde shapes and reduced forms are unconventional.



ambiente

Stands out with its traditional shapes – timeless classic and elegant.

Its composition is elaborately designed and conveys homely comfort.



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.



AT310/DM with side element, Colour: HM716, Handle: EGS08, Glass: white matt

Technical 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
	★★★★★ U _b up to 0.78 W/m²K	★★★★★ U _b up to 0.75 W/m²K	★★★★★ U _b up to 0.81 W/m²K	★★★★★ U _b up to 1.2 W/m²K	★★★★★ U _b = 0.58 W/m²K	★★★★★ U _b up to 0.73 W/m²K	★★★★★ U _b up to 0.74 W/m²K
	★★★★★ 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
Page reference	page 15	page 25	page 33	page 43	page 71	page 75	page 85

Aluminium



AT 410
Door with solid core – aluminium
on both sides, flush inside and outside
Concealed door hinges
Construction depth 93 mm

studio



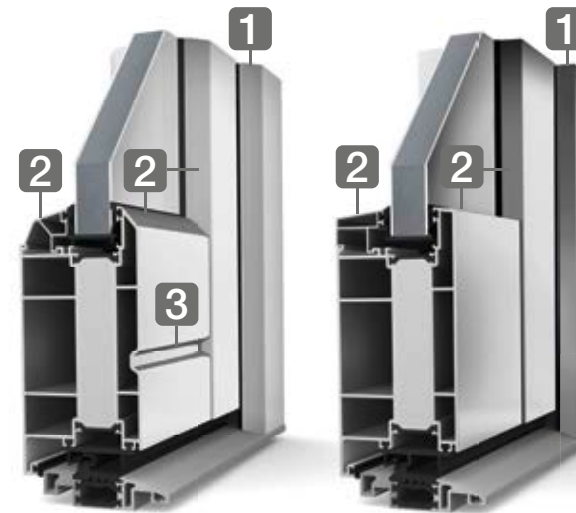
AT 400
Door with solid core – aluminium
on both sides
Smooth door leaf on both sides
Construction depth 93 mm

home pure home soft ambiente



AT 310
Door with solid core – aluminium on both
sides
Outside smooth, inside profiled door leaf
Construction depth 93 mm

home pure home soft ambiente



AT 200
Panel door – profiled or square-edged
Construction depth 80 mm

1 Door frame 45°/90°
2 Profile rounded/square-edged
3 Profiling

home pure home soft ambiente

Timber/aluminium



HT 410
Door with solid core – outside aluminium/
inside timber
Flush inside and outside
Concealed hinges
Construction depth 121 mm

studio



HT 400
Door with solid core – 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 solid core – phenolic lacquers applied
to both sides
Smooth door leaf on both sides
Construction depth 85.5 mm

home pure home soft ambiente



Aluminium

Aluminium is a chemical element with the element symbol Al and the atomic number 13.

In the periodic table aluminium belongs to the third main group or to the 13. IUPAC group or boron group, which used to be called earth metal group. Aluminium is a silvery white light metal.

It is the third most abundant element and the most abundant metal in the earth's crust. Although it is a base metal, it is protected by the phenomenon of passivation so that it does not react with air or water at room temperature.

AT310/PP, Colour: HM704, Handle: EGS08, Glass: white matt



FLUSH AND PERFECTLY SHAPED

TRENDSETTING ADVANTAGES

Flush design – outside and inside
Concealed door hinges

TECHNICAL DATA

Excellent thermal insulation
U_D up to 0.78 W/m²K
Soundproofing up to **36 dB**
High security up to resistance class RC2
Multi-point locking
Construction depth 93 mm

DESIGN STYLE

studio



AT410/FG with side element, Glass: white matt, Colours: HM716/SD03 Art-concrete, Handle: EGS01, alunox heavy duty joiners



Flush

The handle is perfectly integrated into the flush design.



Inside view





FA

Colour: frame HM716, sash SD03
Art-concrete,
Handle: KGS04,
Glass: white matt

The door stands out in its deceptively real concrete appearance.
(AT410-14-001)



P253

Colour: HFM22,
Handle: KGS01
(AT410-14-002)



FA

Colour: frame HM716,
sash HDS02,
Handle: MGSE8
(AT410-14-003)



FA

Colour: HFM14,
Handle: EGS01,
Glass: white matt
(AT410-14-004)



P252

Colour: frame M916, sash M916, SD02,
Handle: SGF16A
(AT410-14-005)



P252

Colour: frame HM906, sash HM906, HM716,
Handle: SGF13A
(AT410-14-006)



FD

Colour: frame HDS02, sash HDS02, HM716,
Handle: SGF17A
(AT410-14-008)

AT 410 | Aluminium



P252

Colour: frame HM716, sash HM716,
RAL2009,
Handle: SGE01
(AT410-14-007)



FD

Colour: frame HM716, sash HM716, RAL2009,
Handle: KGS05
(AT410-14-009)



GG
Colour: HF113,
Handle: MGSE10,
Glass: white
matt, alunox glass
surround
(AT410-14-010)



GA
Colour: frame
HM716, sash SD03
Art-concrete,
Handle: HS42,
Glass: white
matt, alunox glass
surround
(AT410-14-011)



FG
Colour: HM704,
Handle: MGSE6,
Designer elements:
heavy duty joiners
(AT410-14-012)



FJ
Colour: HDS01,
Handle: MGSE8,
Designer elements:
heavy duty joiners
(AT410-14-014)

HEAVY DUTY JOINERS
Models FG and FJ feature discreet heavy duty joiners.
The heavy duty joiners are available as protruding in
stainless steel (see image) or flush in alunox.



FG
Colour: HM907,
Handle: MGSE10,
Glass: Satinato
white, fluted bevel
RH1E
Designer elements:
heavy duty joiners
(AT410-14-013)



FJ
Colour: HFM14,
Handle: MGSE8,
Glass: Satinato white,
fluted bevel RH2E,
Designer elements:
heavy duty joiners
(AT410-14-015)



FLUTED BEVEL GLASS
Serves as optical extension to the double heavy duty
joiner with this model FJ.



PA
Colour: M916,
Handle: SGF17A,
Glass: white
matt, alunox
glass surround
(AT410-14-016)



DA
Colour: HM113,
Handle: SGF13A,
Glass: white
matt, alunox
glass surround
(AT410-14-017)



DB
Colour: RAL1019,
Handle: TEG15,
Glass: white
matt, alunox
glass surround
(AT410-14-018)



PA
Colour: HFM22,
Handle: SGF17A,
Glass: white
matt, alunox
glass surround
(AT410-14-019)



DA
Colour: HM906,
Handle: SGF13A,
Glass: white matt
(AT410-14-020)



DB
Colour: M916,
Handle: SGF13A,
Glass: white matt,
alunox glass surround
(AT410-14-021)



ALUNOX GLASS SURROUND
Upon request, in models PA,
DA and DB, the glass cut-outs can be carried out
with noble alunox glass surrounds.



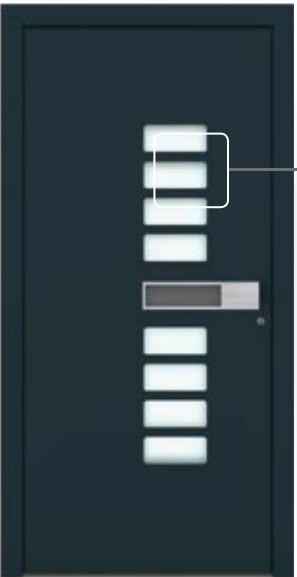
without alunox glass surround



PA
Colour: RAL5009,
Handle: HS10,
Glass: white matt
(AT410-14-022)



DA
Colour: HDS08,
Handle: HS10,
Glass: white matt
(AT410-14-023)



DB
Colour: HM716,
Handle: SGF16A,
Glass: white matt
(AT410-14-024)



DG
Colour: M916,
Handle: SGF17A,
Glass: white
matt, alunox
glass surround
(AT410-14-025)



GJ
Colour: frame HF735,
sash HF735, HF716
Handle: MGSE10,
Glass: clear glass
(AT410-14-026)



GD
Colour: HFM05,
Handle: KGS04,
Glass: white matt
(AT410-14-027)



P456
Colour: frame
M916, sash M916,
RAL1004,
Handle: SGF13A,
Glass: white
matt, alunox glass
surround
(AT410-14-028)



with alunox glass surround

ALUNOX GLASS SURROUND

Upon request, in models DG,
GJ, GD and P456, the glass cut-outs can be
carried out in noble alunox glass surround.



P456
Colour: frame
M916, sash M916,
SD02,
Handle: SGF16A,
Glass: white matt
(AT410-14-030)



without alunox glass surround



DD
Colour: frame M916,
sash M916, SD04
high gloss black,
Handle: EGS01,
Glass: white matt,
Designer elements:
heavy duty joiners
(AT410-14-029)



Area SD04
high gloss black

PLAY OF COLOURS

Model DD features a combination of
heavy duty joiners
with a selectable colour area.



DD
Colour: HM716,
Handle: TEG15,
Glass: white matt,
Designer elements:
heavy duty joiners
(AT410-14-031)



Area HM716

PURISTIC AND HIGHLY THERMALLY INSULATING

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_D 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

DESIGN STYLE

- home pure
- home soft
- ambiente



Highest stability
A special door leaf in high-quality multi-layer construction ensures highest stability.



Inside view



AT400/P405-1 with side element, Colours: M716/M916, SD04 high gloss black varnish, Handle: SG16, Glass: white matt, heavy duty joiners



P411-1
Colour: M916,
Handle: SGF13A,
Glass: white matt,
Designer elements:
heavy duty joiners
(AT400-14-001)



P210-1
Colour: RAL1004,
Handle: SGE03,
(AT400-14-002)



FA
Colour: frame
HM906, door leaf
SD03 Art-concrete,
Handle: MGSE10
(AT400-14-003)



PA
Colour: M916,
Handle:
EGS08,
Glass: white
matt, alunox
glass surround
(AT400-14-004)



P202-3
Colour:
frame M916,
sash M916,
RAL1019,
Handle: SG13
(AT400-14-005)



P204-1
Colour: frame
M916, sash
M916, SD01,
Handle: SG14
(AT400-14-006)



P206-2
Colour:
RAL2009,
Handle: SG17
(AT400-14-007)



P401-4
Colour: frame
RAL1019, sash
M916, **Handle:**
SG15, **Glass:**
white matt,
Designer
elements: heavy
duty joiners
(AT400-14-008)



P405-1
Colour: frame
HM716, sash
M916, SD04
high gloss black,
Handle: SG16,
Glass:
white matt,
Designer
elements: heavy
duty joiners
(AT400-14-009)



DD
Colour: M916,
SD04 high gloss
black,
Handle: EGS01,
Glass: white matt,
Designer elements:
heavy duty joiners
(AT400-14-010)



**SD04
HIGH GLOSS BLACK**
Models DD and P405-1 feature a
combination of heavy duty joiners
with SD04 high gloss black.



GJ
Colour: frame HM906, sash HM906, HM907,
Handle: EGS01,
Glass: white matt (AT400-14-011)



FD
Colour: frame HDS08, sash HDS08, HM716,
Handle: SG18 (AT400-14-012)



P303-1
Colour: frame HM716, sash HDS01,
Handle: SG16,
Designer elements: heavy duty joiners (AT400-14-013)



HEAVY DUTY JOINERS
Heavy duty joiners are available as protruding in stainless steel or flush in alunox.



FG
Colour: HFM01,
Handle: MGSE8 (AT400-14-018)



GD
Colour: HM113,
Handle: EGS01,
Glass: white matt (AT400-14-019)



P202-3
Colour: frame M916, sash M916, SD02,
Handle: SG17 (AT400-14-020)



SPECIAL DECOR COLOURS (SD)
Set unique highlights with SD02 Olive (image above) and SD01 Oakburl (image below).



GG
Colour: DM02,
Handle: MGSE10,
Glass: white matt, alunox glass surround (AT400-14-014)



P408-1
Colour: frame HM907, sash HM907, M916,
Handle: SG16, white matt (AT400-14-015)



DG
Colour: RAL1019,
Handle: SG17,
Glass: white matt, alunox glass surround (AT400-14-016)



P302-4
Colour: HM716,
Handle: SG13,
Designer elements: heavy duty joiners (AT400-14-017)



FJ
Colour: frame HM716, sash HDS01, **Handle:** MGSE10, **Designer elements:** heavy duty joiners (AT400-14-021)



GD
Colour: RAL1019,
Handle: EGS01,
Glass: white matt (AT400-14-022)



GA
Colour: M916,
Handle: EGS01,
Glass: white matt (AT400-14-023)

LARGE GLASS CUT-OUT
Bring more light into your home and enjoy the outside view which is created by the large glass cut-out.



P502-2
Colour: M916,
Handle: BS23,
Glass: Altdeutsch
 K
 (AT400-14-024)



AD
Colour: HDS01,
Handle: BS11,
Glass: Cathedral
 hammered
 (AT400-14-025)



AD
Colour: frame
 HM605,sash
 M916, HM605
Handle: HS32,
Glass: white matt
 (AT400-14-026)



AA
Colour: HFM22
Handle: TEG15,
Glass: white
 matt
 (AT400-14-027)



P504-3
Colour: M916,
Handle: TEG10,
Glass: Satinato
 green
 (AT400-14-028)



P502-2
Colour: HM817,
Handle: BS43,
Glass: white matt
 (AT400-14-029)

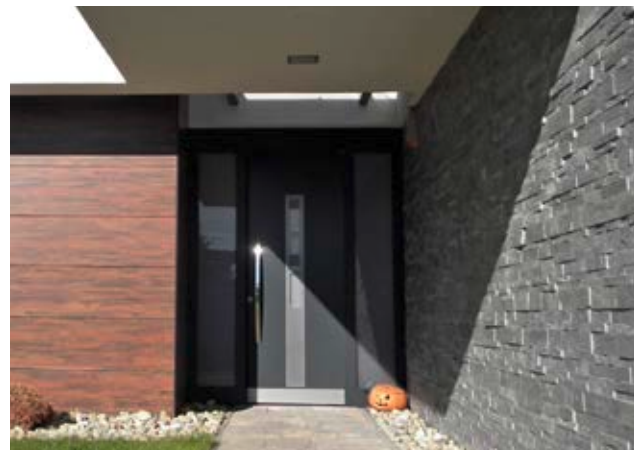


P504-2
Colour: frame
 RAL1019, sash
 HM113, RAL1019
Handle: TEG13,
Glass: white matt
 (AT400-14-030)



P504-1
Colour: frame
 HM605, sash
 M916, HM605,
Handle: TEG12
 (AT400-14-031)

AT 400 | Aluminium



AT310/DP, Colours: M716, Handle: MGSE8, Glass: white matt with alunox glass surround

AT 310 | Aluminium

STRAIGHT-LINED AND SECURE

TRENDSETTING ADVANTAGES

- Door with solid core – aluminium on both sides
- Outside smooth, inside profiled door leaf

TECHNICAL DATA

- Thermal insulation U_D up to **0.81 W/m²K**
- 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 security bolts and two hook bolts make breaking in almost impossible.

DESIGN STYLE

- home pure
- home soft
- ambiente



Inside view





GG
Colour: HFM03,
Handle: KGS04,
Glass: white
matt, alunox
glass surround
(AT310-14-001)



DG
Colour: RAL1019,
Handle: SG17,
Glass: white
matt, alunox
glass surround
(AT310-14-002)



GA
Colour: DM03,
Handle: MGSE6,
Glass: white matt
(AT310-14-003)



GD
Colour: HDS07,
Handle: EGS01,
Glass: white matt
(AT310-14-004)



DB
Colour: HFM13,
Handle: SG15,
Glass: white
matt, alunox
glass surround
(AT310-14-005)



GJ
Colour: frame
M916, sash
M916, SD02
Handle: KGS04,
Glass: white matt
(AT310-14-006)



FG
Colour: HM113,
Handle: HS40
(AT310-14-007)



DA
Colour:
HFM22,
Handle: SG16,
Glass: white
matt, alunox
glass surround
(AT310-14-008)



DD
Colour: frame
M916, sash
M916, HFM11,
Handle: EGS01,
Glass: white
matt, **Designer
elements:** heavy
duty joiners
(AT310-14-009)



FJ
Colour: HM716,
Handle:
MGSE10,
**Designer
elements:** heavy
duty joiners
(AT310-14-010)



DJ
Colour: M916,
Handle: EGS06,
Glass: white matt
(AT310-14-011)



PD
Colour: HM907
Handle: TEG15,
Glass: D72
(AT310-14-012)



PJ
Colour: DM02
Handle: KGS01,
Glass: white matt
(AT310-14-014)



PE
Colour: DM01,
Handle: KGS03,
Glass: white matt
(AT310-14-013)



DM
Colour: HM704,
Handle: HS10,
Glass: white matt
(AT310-14-015)



PP
Colour: HFM12,
Handle: EGS08,
Glass: Reflo
(AT310-14-016)



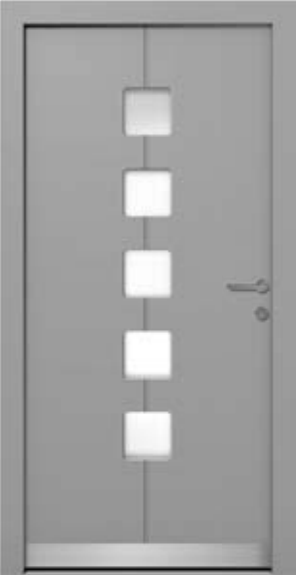
FD
Colour: frame
M916, sash
M916, SD02,
Handle: SG18,
(AT310-14-020)



PA
Colour: HFM01,
Handle: SG17,
Glass: white
matt, alunox glass
surround
(AT310-14-017)



FM
Colour: frame
HM704, sash
HM704, M916,
Handle: EGS06,
(AT310-14-021)



PN
Colour: HM704,
Handle: GD15,
Glass: white matt
(AT310-14-018)



FA
Colour: HFM13,
Handle: MGSE8
(AT310-14-022)



DP
Colour:
frame RAL5009,
sash
RAL5009, alunox
glass surround,
Handle: MGSE6,
Glass: white matt
(AT310-14-019)



PA
Colour: HM716,
Handle: MGSE8,
Glass: MRI
(AT310-14-023)



SG
Colour: M916,
Handle: TEG14,
Glass: D78,
alunox glass
surround
(AT310-14-024)



SA
Colour: HFM05,
Handle: TEG10,
Glass: MDNL
(AT310-14-025)



SJ
Colour: HFM22,
Handle: TEG10,
Glass: clear glass,
(AT310-14-026)



DM
Colour: M916,
Handle: TEG15,
Glass: D11
(AT310-14-027)



PQ
Colours: M916,
HM735, **Handle:**
MGSE10, **Glass:**
white matt
(AT310-14-028)



PA
Colour:
HM304,
Handle: TEG14,
Glass: D39
(AT310-14-029)



PM
Colour: HF113,
Handle: HS10,
Glass: MRI
(AT310-14-030)



SD
Colour: HDS07,
Handle: HS30,
Glass: Reflo
(AT310-14-031)



PG
Colour: HM304,
Handle: TEG14,
Glass: D39
(AT310-14-032)



PK
Colours: frame
DM03, sash M916,
Handle: KGS02,
Glass: clear glass
(AT310-14-033)



SET HIGHLIGHTS
Design doors individually with
diverse glass inserts.



AM
Colour: M916,
Handle: TEG14,
Glass: D03
 (AT310-14-034)



AJ
Colour: frame
 HM704, sash
 HM704, HM735,
Handle: TEG14,
Glass: D41
 (AT310-14-035)



AJ
Colour: frame
 HM801, sash
 HM801, HFM21,
Handle: VSD13,
Glass: D41
 (AT310-14-036)



AA
Colour: HDS08,
Handle: BS11,
Glass: Master-
 carré
 (AT310-14-037)



AA
Colour: frame
 HFM14, sash
 HF113, HFM14,
Handle: BS10,
Glass: Master-
 carré
 (AT310-14-040)



AD
Colour: HDS08,
Handle: BS43,
Glass: Altdeutsch K
 (AT310-14-038)



AD
Colour: frame HFM14,
 sash HF113, HFM14,
Handle: BS42,
Glass: Altdeutsch K
 (AT310-14-041)



AG
Colour: HDS08,
Handle: BS23,
Glass: Kathedral
 hammered
 (AT310-14-039)



AG
Colour: frame
 HFM14, sash
 HF113, HFM14,
Handle: BS42,
Glass: Kathedral
 hammered
 (AT310-14-042)

AT 310 | Aluminium

PROFILED AND WITH MANY VARIATIONS

TRENDSETTING ADVANTAGES

3-chamber profiles, thermally broken by polyamide rails and foamed insulating core

home pure, home soft and ambiente differ by square-edged and profiled version (see page 10)

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

DESIGN STYLE

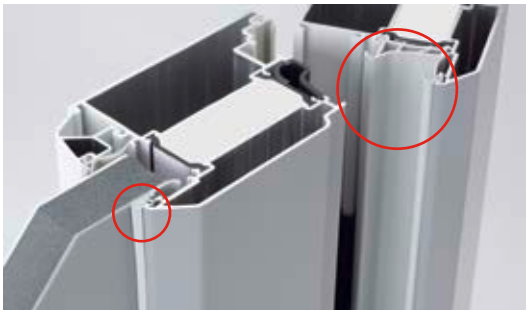
- home pure
- home soft
- ambiente



K Square-edged version



P Profiled version



Gasket colour

Upon request, the stopper gaskets as well as the glazing gasket can be carried out in grey.



AT200/VA-H2B with side elements, Glass: Satinatio white, Colour: HM716, Handle: HS10



K EC-H1B
Colour: M916,
 stainless steel,
Handle: TEG15,
Glass: Satinato
 white
 (AT200-14-001)



K LU-G5B
Colour: HM735,
Handle: HS10,
Glass: MR5
 (AT200-14-002)



K EC-A3B
Colour: HM907,
 stainless steel,
Handle: EGS05,
Glass: MR3
 (AT200-14-003)



K SE-B3B
Colour: M916,
Handle: TEG15,
Glass: D72
 (AT200-14-004)



K DA-J1B
Colour: frame
 M916, sash
 M916, HM704,
Handle: EGS05,
Glass: Satinato
 white
 (AT200-14-005)



K SE-F2B
Colour: RAL1019,
Handle: EGS05,
Glass: Satinato
 white
 (AT200-14-006)



K SE-P0B
Colour: HM304,
Handle: HS10,
Glass: MRI
 (AT200-14-007)



K LU-B3B
Colour: frame
 M916, sash
 M916, HM716,
Handle: GD10,
Glass: Satinato
 white
 (AT200-14-008)



K SE-E2B
Colour: frame
 M916, sash
 M916, HM735,
Handle: HS10,
Glass: Satinato
 white
 (AT200-14-009)



K SE-B0B
Colour: HM704,
Handle: GD15,
Glass: MRI
 (AT200-14-010)



K DA-R1B
Colour: HM704,
Handle: GD15,
Glass: D11/P27
 (AT200-14-011)



P RA-A1B
Colour: M916,
Handle: EGS05,
Glass: D72
 (AT200-14-012)



P VA-D7B
Colour: RAL5014,
Handle: HS10,
Glass: Satinato blue,
Designer elements:
 designer rods
 (AT200-14-013)



P VA-A3B
Colour: HM716,
Handle: BS42,
Glass: Satinato
 white
 (AT200-14-014)



P VA-F4B
Colour:
 RAL5009,
Handle: TEG14,
Glass: D40/P26
 (AT200-14-015)



P VA-K2B
Colour: M916,
Handle: TEG14,
Glass: clear glass
 (AT200-14-016)



P SE-E0B
Colour:
 HM304,
Handle: GD15,
Glass: MRI
 (AT200-14-017)



P SE-R0B
Colour: M916,
Handle: TEG10,
Glass: Linea
 (AT200-14-018)



P VA-K2B
Colour: M916,
Handle: EGS05,
Glass: Satinato
 white
 (AT200-14-019)



K LU-G5B
Colour: HM113,
Handle: HS40,
Glass: MR5
 (AT200-14-020)



P SE-B3B
Colours: frame
 HM704, sash
 M916,
 HM704,
Handle: HS10,
Glass: MR3
 (AT200-14-021)



P VA-A3B
Colour: HFM21,
Handle: TEG15,
Glass: Satinato
 white
 (AT200-14-022)



K RA-G1B
Colour: M916,
Handle: HS10,
Glass: MRI
 (AT200-14-023)



K RA-S1B
Colour: HM704,
Handle: HS10,
Glass: Satinato
 white
 (AT200-14-024)



K EC-E1B
Colours: RAL5009,
 stainless steel,
Handle: HS10,
Glass: D12/P26
 (AT200-14-025)



P RA-A1B
Colour: HM735,
Handle: VD16,
Glass: MR5
 (AT200-14-026)



P RA-T1B
Colours: frame
 HM605, sash
 HM605, M916,
Handle: TEG13,
Glass: Satinato
 white
 (AT200-14-027)



P LU-C3B
Colour: M916,
Handle: TEG10,
Glass: MLAL
 (AT200-14-028)



P EC-M3B
Colours: frame
 M916, sash
 M916,
 stainless steel,
Handle: TEG14,
Glass: Satinato
 white
 (AT200-14-029)



P RA-P1B
Colour: HM803,
Handle: TEG15,
Glass: MRI
 (AT200-14-030)



P LU-C5B
Colour: HM906,
Handle: TEG14,
Glass: D67
 (AT200-14-031)



P RA-K1B+K1S
Colour: M916,
Handle: HS10,
Glass: Satinato white
 (AT200-14-032)



ET-M5B
Colour: HM817,
Handle: TEG14,
Glass: Mastercarré
(AT200-14-033)



AC-E1B
Colour: HM768,
Handle: BS42,
Glass: D03
(AT200-14-034)



AC-A1B+A1S
Colour: M916,
Handle: TEG14,
Glass: Cathedral
hammered
(AT200-14-035)



AC-E4B
Colour: M916,
Handle: TEG14,
Glass: D04
(AT200-14-036)



EL-C1B
Colour: M916,
Handle: TEG10,
Glass: D15
(AT200-14-037)



AC-Z2B+ Z2S
Colours: frame
HM704, sash
HM735, HM704
Handle: VSD12,
Glass: Cathedral
hammered
(AT200-14-038)



AC-E4B
Colours: HM803,
Handle: BS42,
Glass: D04
(AT200-14-039)



EL-P1B + P1S
Colour: M916,
Handle: TEG15,
Glass: D45 + D46/
P05
(AT200-14-040)



AT 200 | Aluminium



P AC-R1B
Colour: M916,
Handle: MSB13,
Glass: D09-1
(AT200-14-041)



P EL-K1B
Colour: M916,
Handle: VSD14,
Glass: D41
(AT200-14-042)



P N10
Colour:
HM704,
Handle: BS42
(AT200-14-043)



P ET-E3B
Colour: M916,
Handle: TEG14,
Glass: D30/P07
(AT200-14-044)



P FI-S1B
Colour: HM605,
Handle: VD15,
Glass: Ornament
504
(AT200-14-045)



P N50
Colour: HM605,
Handle: VSD15,
Door knocker:
84701
(AT200-14-046)



**P DESIGNER
PANEL Z20**
Colour: HM768,
Handle: BS42,
Glass: Cathedral
hammered
(AT200-14-047)



**P GEORGIAN/
FEATURE BAR
MODEL**
Colour: HM817,
Handle: BS42,
Glass: Cathedral
hammered
(AT200-14-048)





HANDLES

Display of handles is not proportional relative to their size and also not in all material versions.

Each door series depending on its design style features a sophisticated selection of handles – please note that not every handle is available for every door series.

The dimensions are stated in mm, width x height or Ø.

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



EGS01
handle bar
height variable
stainless steel
AT200,
AT310,
AT400,
AT410



EGS02
handle bar
(no image)
height variable
stainless steel
AT200



EGS07
handle bar
height variable
stainless steel
AT200



EGS08
handle bar
height variable
stainless steel
AT310,
AT400,
AT410



EGS05
handle bar
80x1130
stainless steel
AT200



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



MGSE6
handle strap
40x600



MGSE8
handle strap
40x800



MGSE10
handle strap
40x1000

stainless steel
AT310, AT400,
AT410

RECESSED HANDLES (for AT 310 and AT 400 attached or for AT 400 and AT 410 flush*)



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



SG17/SGF17A*
recessed handle
110x500
stainless steel



SG18/SGF18A*
recessed handle
110x1400
stainless steel



SGE01
recessed handle
200x200
Aluminium
AT400, AT410



SGE02
recessed handle
200x500
Aluminium
AT400, AT410



SGE03
recessed handle
200x700
Aluminium
AT400, AT410

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)



VSD15
brass PVD
(VSD14 = chrome matt)



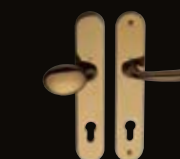
VSK14
chrome matt
(VSK15 = brass PVD)



VZK14
chrome matt
(VZK13 = brass PVD)



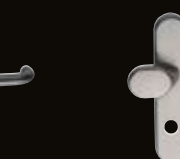
PSD30
brass PVD



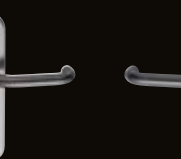
PSK30
brass PVD



PSD61
stainless steel



PSK61
stainless steel



PSD11
stainless steel
(PSD10 = brass PVD)
(PSD12 = aluminium natural)



PSK11
stainless steel
(PSK10 = brass PVD)
(PSK12 = aluminium natural)



PZD12
aluminium natural
(PZD10 = brass PVD)
(PZD11 = stainless steel)



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)

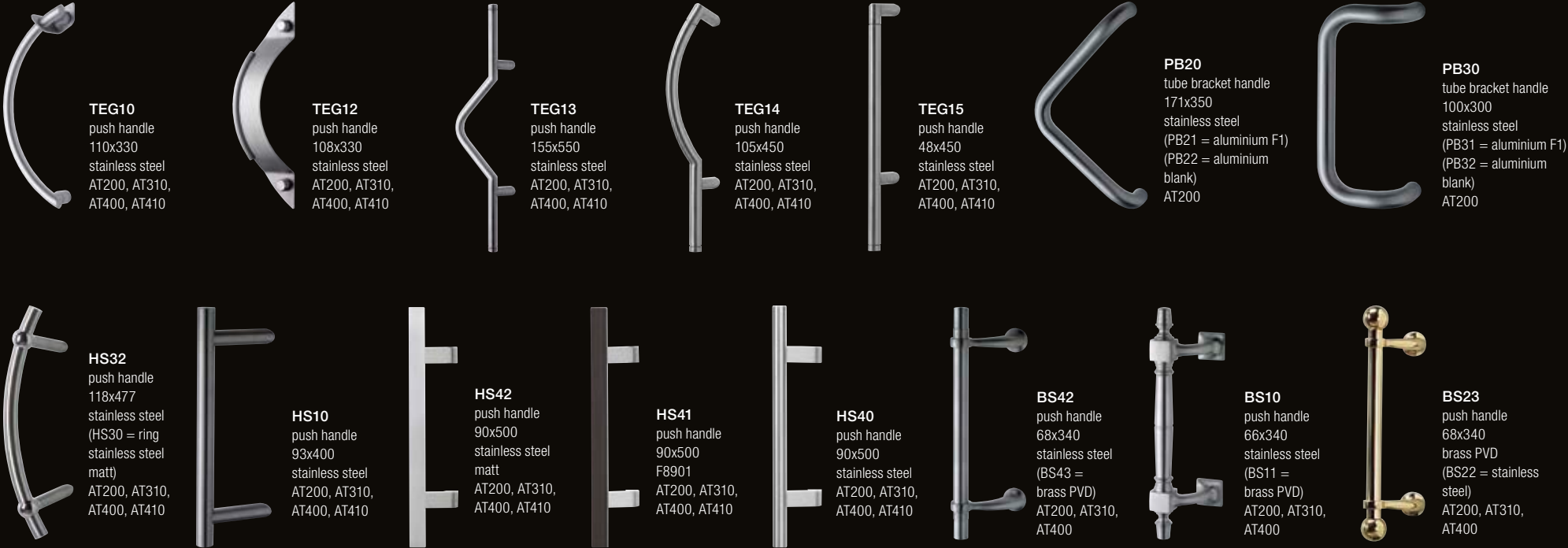


MSV13
stainless steel
(MSV14 = brass PVD)

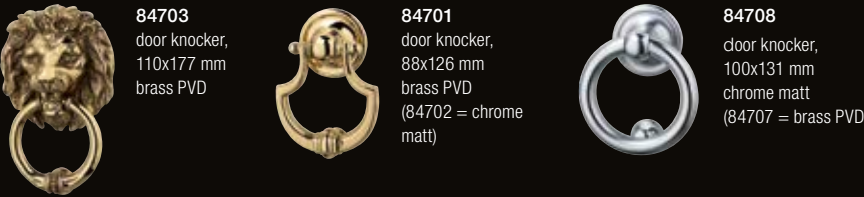
56 | 57

Internorm

PUSH AND BRACKET HANDLES



HANDLE ACCESSORIES (exclusively for AT 200)



LEVERS





Model according to customer request with side element and fanlights, Glass: door white matt, glass side element and fanlights clear glass, Colour: HM817, Handle: MGSE10

GLASS TYPES

Matching the various door series and the respective design styles, there is an attractive selection of glass types available.

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

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

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

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

Special glass

Master-point

Chinchilla

Spotlyte

Linea

Master-carré

UADI

Ornament 504

Reflo

White matt

Satinato white

Satinato green

Satinato blue

Altdeutsch K

Kathedral hammered

Wire glass

Sand blasted glass

MDN

Grooved glass

MRl

Paint glass

MLA

Fluted bevel glass

D03

D09

D11

D12

D15

D30

D33

D39

D40

D45

D67

D72

D75

D78

RH1E

RH2E

MR3/MR5

60 | 61

Internorm

 SURFACES & COLOURS

We can offer a corresponding selection of colours for the various frame and door leaf materials – please note that **not every colour is available for every door**.

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

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

D These colour groups are technically available for the **door leaf** inside and outside.

F These colour groups are technically available for the **frame** inside and outside.

* **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 colour), **HF** (highly weather-resistant fine structure), **HFM** (highly weather-resistant fine structure metallic), and **HDH** (highly weather-resistant timber decor colour) a special highly weather-resistant powder coating is used.

Standard colours* **D F**

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

HDS colours** **D F**

HDS01	HDS02
HDS03	HDS04
HDS05	HDS06
HDS07	HDS08

Technically not available for door system AT 200

SD colours **D**

SD01 Oakburl	SD02 Olive
SD03 Art-concrete	SD04 High gloss black

Technically not available for door system AT 200

Metallic decor colours **D F**

DM01 dark green	DM02 grey	DM03 dark grey

Stainless steel colours **F**

EL01 stainless steel look matt	EL02 stainless steel look gloss

hirest colours**** **D F**

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

Timber decor colours*** **F**

HDH12 middle brown	HDH13 dark brown
HDH14 light brown	HDH17 light grey

Special colours **D F**

The Internorm RAL colour range offers a variety of design possibilities.



STANDARD SECURITY

MV (MULTI-POINT LOCKING) | STANDARD SECURITY – MECHANICAL

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

Standard security

Multi-point locking = 5-fold protection with one main bolt **2**, 2 steel bolts and 2 hook bolts **1**

3 solid door hinges ensure high stability

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

Standard comfort

The soft-lock latch ensures smoother operation as well as quiet closing and is additionally maintenance-free (no greasing).

3-dimensionally adjustable door hinges facilitate even more specific and exact adjustment of the entrance door – with hinged door sash

Lockable cylinders on both sides – always lockable, even when one key stays in lock

ADDED SECURITY

MV-AM (AUTOMATIC MULTI-POINT LOCKING) | EXTENDED SECURITY – AUTOMATIC

Automatic multi-point locking with main bolt and two hook bolts

Added security | Door locks automatically and mechanically – hook bolts engage activated by springs

Added comfort | No locking with key necessary

EE | SECURITY AND COMFORT – HALF MOTORIC

Half motoric multi-point locking with main bolt and two hook bolts

Added security | Door locks automatically and mechanically – hook bolts engage activated by springs

Added comfort | No locking or unlocking with key necessary (unlocking via e-drive), unlocking from the inside by using lever, switchable child lock blocks lever, can be combined with all access controls

EV-E, EV-C | EXCEPTIONAL SECURITY AND COMFORT – FULLY MOTORIC

Fully motoric multi-point locking 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 with key necessary (locking and unlocking via e-drive). Unlocking of the door from the inside either by using the lever (EV-C) or an electric button (EV-E). Locking of the door from the outside via access controls (e.g. finger scan, etc.)

The added security includes a multitude of additional components such as high-security cylinder, door block, signal lamps and many more. More detailed information is available from your Internorm distribution partner.



ekey YOUR FINGER IS THE KEY
Europas Nr. 1
bei Fingerprint Zugangslösungen

Have you ever forgotten or lost your key? Have you ever been locked out? Has your key ever been stolen? Why carry around a heavy bunch of keys? No need to worry about lost keys.



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 – Only by „sliding your finger across“ you can open the door. You save your own authorised persons yourself – no need for a technician or PC.

CONVENIENT – You always have your key „at hand“. No more lost or forgotten keys or a heavy bunch of keys.

The intelligent software is learning with every scan and recognises growth in children's fingers or change in user behaviour.

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



KEYPAD

The ekey home integra keypad is fitted directly into the door or the wall next to the door. Only the ultra flat decor element is visible.

The system is compatible with all electric openers, motoric locks or remote controlled cylinders. A cable transports an encoded opening signal to an electronic relays. The relays sends an opening impulse to the electric lock. Manipulations of the system from outside are therefore excluded.

Opening occurs by typing in a four to ten digit code which can be freely chosen. A six digit code is very secure and easy to remember. A pattern can even be taught via the touchscreen surface as it is known with mobile phones.

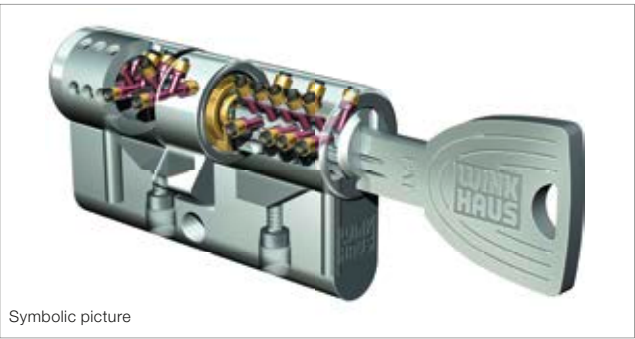
Up to 45 codes can be programmed. Each user can therefore have his own access code. Through this e.g. can the code for the cleaning personnel be deleted at any time and be replaced with a new code.

SECURE WITH WINKHAUS CYLINDERS



Symbolic picture

The **standard cylinder** is equipped with scanning and anti-drill protection and two steel pins. Lockable cylinder from both sides – even when one key stays in lock. The cylinder can be locked from both sides.



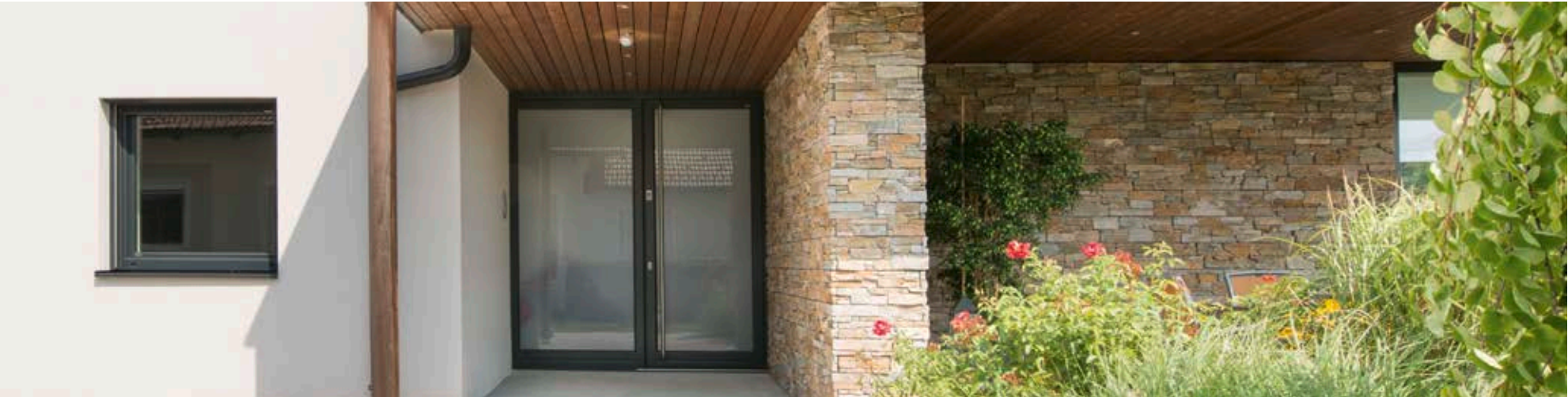
Symbolic picture

The **high security cylinder** with three-dimensional, patented scanning and anti-drill protection, is also resistant to pressure and wrenching. The large special shape of the key enables easy locking and prevents bending and breaking of the key. Lockable cylinder from both sides – even when one key stays in lock. The cylinder can be locked from both sides.



Symbolic picture

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



Timber/wood

Wood is formed of cambium, the formative tissue between wood and bark.

Wood is one of the oldest and most important raw materials and working materials of mankind. Yearly timber production is still exceeding production of steel, aluminium and concrete.

Wood counts as one of the sustainable raw materials and energy sources as long as the used quantity does not exceed the re-planted quantity. An important role when evaluating the ecological rating plays the ease of processing and linked to it the low energy demand in production and processing. In environmental performance timber products achieve excellent scores.



FLUSH AND HIGHLY THERMALLY INSULATING

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_D 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

DESIGN STYLE

studio



Fully concealed door hinges

Perfect design up to the door hinges – contrary to conventional door hinges (image on the right) these are fully concealed (image on the left).



Inside view



HT410/C0-Z1B, Colour HM716, Handle EGS01



GA-B0B
 Colour: HFM01,
 Handle: SGF18
 (HT410-14-001)



GA-H1B
 Colour: HFM12,
 Handle: EGS01
 (HT410-14-002)



CO-Z1B
 Colour: HM907,
 Handle: SGE02
 (HT410-14-003)



GA-A0B
 Colour: HFM22,
 Handle: TEG13
 (HT410-14-004)



GA-E0B
 Colour: DM01,
 Handle: TEG10
 (HT410-14-005)



GA-D0B
 Colour: HM716,
 Handle: TN115
 (HT410-14-006)



HT 400 | Timber/aluminium

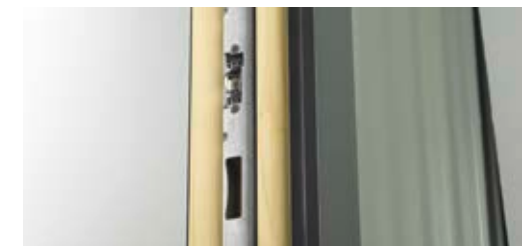
STRAIGHT-LINED AND INNOVATIVE

TRENDSETTING ADVANTAGES

- Plate construction with smooth door leaf on both sides
- Innovative 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

The multi-layered plate construction with its special arrangement of different materials (aluminium and phenolic lacquer layers outside) is suitable for burglary-resistant doors (acc. to DIN V ENV 1627).

DESIGN STYLE

- home pure
- home soft
- ambiente



Inside view





PU-C1B
Colour: M916,
Handle: MGSE10,
Glass: white matt
(HT400-14-001)



PU-F4B
Colour: HM906,
Handle: EGS01,
Glass: white matt
(HT400-14-002)



VE-D0B
Colour: frame
EL02, sash
SG07/SG01
(security glass),
Handle: TGS15
(HT400-14-003)



SQ-H1B
Colour: frame
M916, sash M916,
stainless steel,
Handle: KGS05,
Glass: white matt
(HT400-14-004)



GA-H1B
Colour: HM113,
Handle:
MGSE8
(HT400-14-005)



PU-L1B
Colour: HFM13,
Handle: KGSE05,
Glass: white matt
(HT400-14-006)



ES-A1B
Colour: frame
HM716, sash
HM716, SG07
(security glass),
Handle: MGSE10,
Glass: white matt
(HT400-14-007)



PU-G1B
Colour: frame
HM735, sash
HM735, HM907,
Handle: SGF16,
Glass: white
matt
(HT400-14-008)



GA-H2B
Colour: HM768,
Handle: MGSE10
(HT400-14-009)



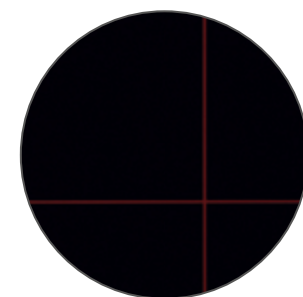
ES-C1B
Colour: frame
EL02, sash EL02,
SG07
(security glass),
Handle: TGS13,
Glass: SG07,
Glass: white matt
(HT400-14-010)



PU-B1B
Colour: HFM13,
Handle: SGF16,
Glass: white matt
 (HT400-14-011)



GA-B0B
Colour: HM704,
Handle: SGF18
 (HT400-14-012)



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



GA-F0B
Colour: HFM14,
Handle: SGF18
 (HT400-14-013)



PU-C1B
 HM304,
 EGS01,
 white matt
 (HT400-14-014)

VE-B0B
Colour: frame
 DM03, sash
 SG07/SG04
 (security glass),
Handle: TGS13
 (HT400-14-015)



SQ-A0B
Colour: frame
 M916, sash M916,
 stainless steel,
Handle: EGS06,
Glass: MRI
 (HT400-14-016)



CO-B1B
Colour: HM605,
Handle: HS10,
Glass: white matt
 (HT400-14-017)



CO-Z1B
Colour: HM907,
Handle: TN104
 (HT400-14-018)



PU-E1B
Colour: frame
 EL02, sash
 HM716, **Handle:**
 EGS08, **Glass:**
 Linea
 (HT400-14-019)



CO-L1B
Colour: frame
 EL02, sash EL02,
 stainless steel,
Handle: TGS15,
Glass: white matt
 (HT400-14-020)



CO-G1B
Colour: HM704,
Handle: EGS08,
Glass: white matt
 (HT400-14-021)



CO-C1B
Colour: HM817,
Handle: EGS06,
Glass: Reflo
 (HT400-14-022)



VE-Z0B
Colour: frame
 EL02, sash SG07
 (security glass),
Handle: EGS01
 (HT400-14-023)



GA-D0B
 Colour: M916,
 Handle: TN112
 (HT400-14-024)



CO-Z1B
 Colour: frame
 HM716, sash M916,
 Handle: TN69
 (HT400-14-025)



VE-A0B
 Colour: frame
 EL02, sash SG07/
 SG01
 (security glass),
 Handle: TGS15
 (HT400-14-026)



GA-A0B
 Colour: M916,
 Handle: TN112
 (HT400-14-027)



PU-M2B
 Colour: HFM01,
 Handle: KGS03,
 Glass: Reflo
 (HT400-14-028)



SQ-E1B
 Colour: frame
 HM704, sash
 M916, stainless
 steel, Handle:
 TEG12, Glass:
 white matt
 (HT400-14-029)



PU-K1B
 Colour: frame
 HM735, sash
 HM735, M916,
 Handle: MGSE8,
 Glass: white matt
 (HT400-14-030)



PU-H5B
 Colour: frame
 HM704, sash
 M916, HM704,
 Handle: MGSE6,
 Glass: white matt
 (HT400-14-031)



PU-D1B
 Colour: frame
 HM907, sash
 HM907, HM906,
 Handle: MGSE10,
 Glass: clear glass
 (HT400-14-032)



PU-L2B
 Colour: frame
 HF817, sash
 HF817, HM113,
 Handle: KGS05,
 Glass: white matt
 (HT400-14-033)



GA-E0B
 Colour:
 frame HM716,
 sash HM716,
 HM304,
 Handle: TEG10
 (HT400-14-034)



CO-K1B
Colour: M916,
Handle: TEG12,
Glass: MRI,
Designer elements:
 attachments
 (HT400-14-035)



CO-E1B
Colour: HM817,
Glass: UADI,
Handle: VZK13
 (HT400-14-036)



CO-D4B
Colour: frame
 HM605, sash
 M916, HM605,
Handle: ND14,
Glass: Mastercarré
 (HT400-14-037)



CO-A1B
Colour: M916,
Handle: M57,
Glass: white matt
 (HT400-14-038)



SQ-A0B
Colour: M916,
 stainless
 steel, **Handle:**
 EGS06, **Glass:**
 Ornament 504
 (HT400-14-039)



CO-K1B
Colour: frame EL02,
 sash EL02, HM716
Handle: TEG13,
Glass: Reflo,
Designer elements:
 attachments HM716
 (HT400-14-040)



PU-J1B
Colour: frame
 HF716, sash
 HF716, HM113,
Handle: EGS06,
Glass: white matt
 (HT400-14-041)



CO-N1B
Colour: HM605,
Handle: TEG13,
Glass: white matt
 (HT400-14-042)



CO-Z1B
Colour: HM817,
Handle: MGSE8
 (HT400-14-043)



CO-K1B
Colour: HM768,
Handle: TEG12,
Glass: MRI,
Designer elements:
 attachments HFM22
 (HT400-14-044)



PU-A1B
Colour: HDS07,
Handle: EGS08,
Glass: white matt
 (HT400-14-045)



HT400/ES-C1B with side elements, Colours: EL02, SG07 (security glass), Handle: TN107, Glass: door and side elements white matt

HT 300 | Timber/aluminium

SQUARE-EDGED AND ENERGY EFFICIENT

TRENDSETTING ADVANTAGES

- Plate construction with smooth door leaf on both sides
- Composite material phenol and thermal foam

TECHNICAL DATA

- Thermal insulation U_D 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



Construction connections for any situation

Special thermally insulating profiles in different heights are available for **passive house suitable** fitting situations.

DESIGN STYLE

home pure

home soft

ambiente



Inside view





PU-F4B
Colour: HM735,
Handle: EGS01,
Glass: white matt
 (HT300-14-001)



PU-C1B
Colour: HM907,
Handle: MGSE10,
Glass: white matt
 (HT300-14-002)



FU-A1B
Colour: frame
 M916, sash
 M916, SG06
 (security glass),
Handle: KGS03,
Glass: white matt
 (HT300-14-003)



GA-H1B
Colour: HM735,
Handle: MGSE8,
 stainless steel
 base
 (HT300-14-004)



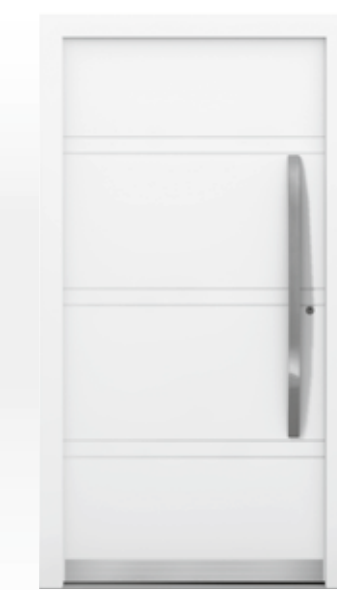
SQ-H1B
Colour: frame
 RAL5014, sash
 HM514, stainless
 steel,
Handle: KGS05,
Glass: white matt
 (HT300-14-005)



PU-L1B
Colour: HM113,
Handle: KGS01,
Glass: white matt
 (HT300-14-006)



ES-A1B
Colour: frame
 HM716, sash
 HM716, SG07
 (security glass),
Handle: MGSE10,
Glass: white matt
 (HT300-14-007)



GA-H2B
Colour: M916,
Handle:
 MGSE10
 (HT300-14-008)



CO-B1B
Colour: HM304,
Handle: MGSE8,
Glass: white matt
 (HT300-14-009)



PU-G1B
Colour: HM113,
Handle:
 KGS03,
Glass: white
 matt
 (HT300-14-010)



ES-C1B
Colour: frame
 HM704, sash
 HM704, SG07
 (security glass),
Handle: EGS01,
Glass: white matt
 (HT300-14-011)



PU-B1B
Colour: HM113,
Handle: MGSE10
Glass: white matt
 (HT300-14-012)



FU-B1B
Colour: frame
 HM735, sash
 HM735, SG01
 (security glass),
Handle: EGS01,
Glass: white matt
 (HT300-14-013)



GA-B0B
Colour: M916,
Handle: MGSE8
 (HT300-14-014)



PU-D1B
Colour: frame
 RAL7011, sash
 RAL7011, HM113,
Handle: TN104,
Glass: clear glass
 (HT300-14-015)



CO-L1B
Colour: M916,
Handle: HS10,
Glass: white matt
 (HT300-14-016)



GA-A0B
Colour: HM704,
Handle: TN112,
 (HT300-14-017)



PU-E1B
Colour: frame
 M916, sash M916,
 HM735,
Handle: EGS08,
Glass: Reflo
 (HT300-14-018)



CO-A1B
Colour: HM304,
Handle: HS10,
Glass: Linea
 (HT300-14-019)



CO-Z1B
Colour: HM716,
Handle: EGS08
 (HT300-14-020)



PU-H5B
Colour: frame
 HM716, sash
 HM716, M916,
Handle: MGSE6,
Glass: white matt
 (HT300-14-021)



CO-K1B
Colour: frame
 HM735, sash HM735,
 HM716
Handle: TEG13,
Glass: Reflo,
Designer elements:
 attachments HM716
 (HT300-14-022)



CO-D4B
Colour: M916,
Handle: ND14,
Glass: Mastercarré
 (HT300-14-023)



SQ-A0B
Colour: frame
 RAL1019, sash
 RAL1019, stainless
 steel, **Handle:** EGS06,
Glass: Reflo
 (HT300-14-024)



GA-D0B
Colour: frame
 HDS07, sash
 HM113,
Handle: TEG12
 (HT300-14-025)



SQ-E1B
Colour: frame
 HM514, sash
 HM514, stainless
 steel, **Handle:**
 TEG12, **Glass:**
 white matt
 (HT300-14-026)



PU-K1B
Colour: frame
 HM113, sash
 HM113, M916,
Handle: MGSE8,
Glass: white matt
 (HT300-14-027)



CO-G1B
Colour: HM817,
Handle: TEG13,
Glass: white matt
 (HT300-14-028)



GA-E0B
Colour: frame
 HM907, sash
 HM906, HM907,
Handle: TEG10
 (HT300-14-029)



CO-K1B
Colour: M916,
Handle: TEG12,
Glass: MRI,
Handle: attachments
 (HT300-14-030)



CO-N1B
Colour: M916,
Handle: TEG13,
Glass: white matt
 (HT300-14-031)



CO-E2B
Colour: HM817,
Handle: VZK13,
Glass: white matt
 (HT300-14-032)





HT400/VE-Z0B, Colours: frame HM704, door leaf SG07 (security glass), Handle: acc. to customer request, Glass: side elements clear glass



HANDLES

Display of handles is not **proportional relative to their size** and also not in all material versions.

Each door series depending on its design style features a sophisticated selection of handles – please note that not **every handle** is available **for every door series**.

The dimensions are stated in mm, width x height or Ø.

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

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
handle strap
40x600

MGSE8
handle strap
40x800

MGSE10
handle strap
40x1000

stainless steel
HT300, HT400,
HT410

PUSH AND BRACKET HANDLES (for HT 300, HT 400 and HT 410)



LEVERS



RECESSED HANDLES (exclusively for HT 400 and HT 410)



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





HT300/CO-Z1B with side element, Colour: HM907, Handle: EGS08, Glass: side element white matt

GLASS TYPES

Matching the various door series and the respective design styles, there is an attractive selection of glass types available. Please note that **not every glass type is available for every door series.**

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

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

Special glass

Master-point

Chinchilla

Spotlyte

Linea

Master-carré

UADI

Ornament 504

Reflo

White matt

Satinato white

Satinato green

Satinato blue

Altdeutsch K

Kathedral hammered

Wire glass

Grooved glass

MRI

Fluted bevel glass

MR3/MR5

Stepped glass

SG01

SG02

SG03

SG04

SG05

SG06

SG07

 SURFACES & COLOURS

We can offer a corresponding selection of colours for the various frame and door leaf materials – please note that **not every colour is available for every door**.

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

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

Only standard colours can be applied to glass frames outside.

D These colour groups are technically available for the **door leaf**.

F These colour groups are technically available for the **frame**.

* **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 colour), **HF** (highly weather-resistant fine structure), **HFM** (highly weather-resistant fine structure metallic), and **HDH** (highly weather-resistant timber decor colour) a special highly weather-resistant powder coating is used.

Standard colours* **D F**
outside HT 300, HT 400, HT 410
inside HT 300

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

HDS colours** **D F**
outside HT 400, HT 410
frame outside HT 300

HDS01	HDS02
HDS03	HDS04
HDS05	HDS06
HDS07	HDS08

Metallic decor colours **D F**
outside HT 400, HT 410
frame outside HT 300

DM01 dark green	DM02 grey	DM03 dark grey

Stainless steel colours **F**
outside HT 400, HT 410
frame outside HT 300

EL01 stainless steel look matt	EL02 stainless steel look gloss

Timber decor colours*** **F**
outside HT 400, HT 410
frame outside HT 300

HDH12 middle brown	HDH13 dark brown
HDH14 light brown	HDH17 light grey

hirest colours**** **D F**
outside HT 400, HT 410
frame outside HT 300

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

Timber standard colours spruce **D F**
(varnish)
inside HT 400, HT 410

FI500	FI501
FI502	FI503
FI504	FI505
FI506	FI507
FI508	FI509

Timber standard colours larch **D F**
(varnish)
inside HT 400, HT 410

LA600	LA601	LA602

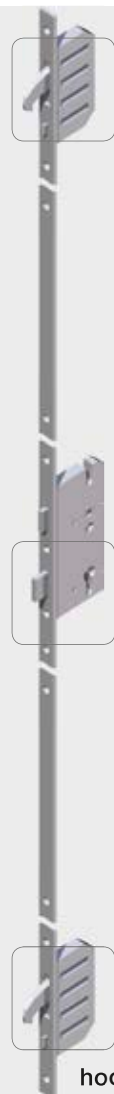
Timber standard colours spruce **D F**
(opaque)
Inside HT 400, HT 410

FI916



Special colours **D F**

The Internorm RAL colour range offers a variety of design possibilities.



hookLock M



STANDARD SECURITY

hookLock M | STANDARD SECURITY – MECHANICAL

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

Standard security

Multi-point locking = 3-fold protection with one main bolt **2** and 2 hook bolts **1**

3 solid door hinges ensure high stability

Increased burglary protection already with the standard cylinder (anti-drill and scanning protection)

Standard comfort

Maintenance-free (no greasing) lock range with standard smooth operation and quiet closing.

3-dimensionally adjustable door hinges facilitate even more specific and exact adjustment of the entrance door

Lockable cylinders on both sides – always lockable, even when one key stays in lock



autoLock AV2



blueMatic EAV



blueMotion

ADDED SECURITY

autoLock AV2 | EXTENDED SECURITY – AUTOMATIC

Automatic multi-point locking with main bolt and two hook bolts

Added security | Door locks automatically and mechanically. Additional protection by an extra manual turn of the key which blocks the door lever on the inside.

Added comfort | No locking with key necessary

blueMatic EAV | SECURITY AND COMFORT – HALF MOTORIC

Half motoric multi-point locking with main bolt and two hook bolts

Added security | Door locks automatically and mechanically – hook bolts engage automatically

Added comfort | No locking or unlocking with key necessary (unlocking via e-drive), unlocking of the door from the inside by using the lever. Can be combined with all access controls: additional manual turn of the key blocks the door lever on the inside.

blueMotion | EXCEPTIONAL SECURITY AND COMFORT – FULLY MOTORIC

Fully motoric multi-point locking 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 with key necessary (locking and unlocking via e-drive). Door is unlocked from the inside either by using the lever or an electric button. Door is unlocked from the outside via access controls (e.g. finger scan, etc.)

The added security includes a multitude of additional components such as high-security cylinder, door block, signal lamps and many more. More detailed information is available from your Internorm distribution partner.





Have you ever forgotten or lost your key? Have you ever been locked out? Has your key ever been stolen? Why carry around a heavy bunch of keys? No more bother with looking for lost keys:



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 – Only by „sliding your finger across“ you can open the door. You save your own authorised persons yourself – no need for a technician or PC.

CONVENIENT – You always have your key „at hand“. No more lost or forgotten keys or a heavy bunch of keys. The intelligent software is learning with every scan and recognises growth in children's fingers or change in user behaviour.

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



KEYPAD

The ekey home integra keypad is fitted directly into the door or the wall next to the door. Only the ultra flat decor element is visible.

The system is compatible with all electric openers, motoric locks or remote controlled cylinders. A cable transports an encoded opening signal to an electronic relais. The relais sends an opening impulse to the electric lock. Manipulations of the system from outside are therefore excluded.

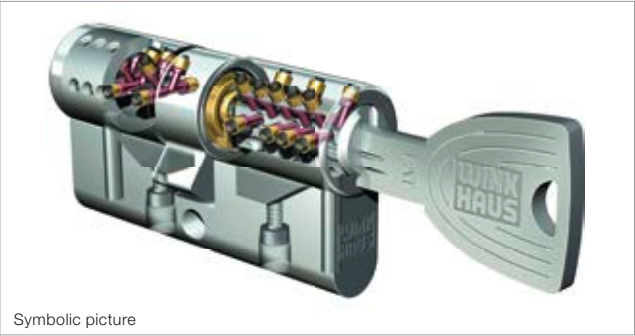
Opening occurs by typing in a four to ten digit code which can be freely chosen. A six digit code is very secure and easy to remember. A pattern can even be taught via the touchscreen surface as it is known with mobile phones.

Up to 45 codes can be programmed. Each user can therefore have his own access code. Through this e.g. can the code for the cleaning personnel be deleted at any time and be replaced with a new code.

SECURE WITH WINKHAUS CYLINDERS



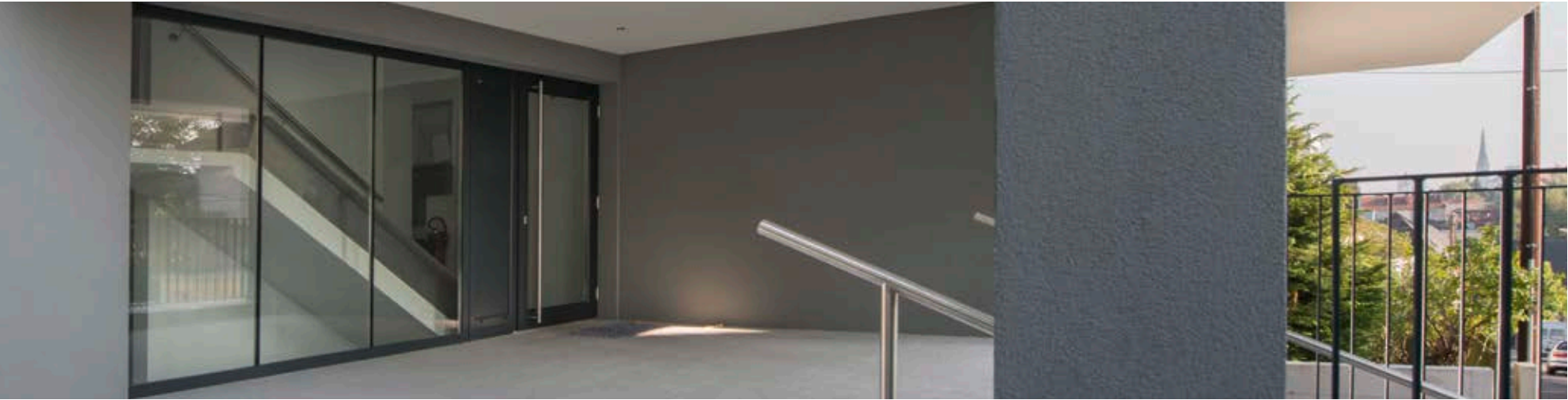
The **standard cylinder** is equipped with scanning and anti-drill protection and two steel pins. Lockable cylinder from both sides – even when one key stays in the lock. The cylinder can be locked from both sides.



The **high security cylinder** with three-dimensional, patented scanning and anti-drill protection, is also resistant to pressure and wrenching. The large special shape of the key enables easy locking and prevents bending and breaking of the key. Lockable cylinder from both sides – even when one key stays in the lock. The cylinder can be locked from both sides.



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



SIDE ENTRANCE DOORS MADE OF TIMBER/ALUMINIUM, ALUMINIUM AND UPVC

Side entrance doors serve as closure from unoccupied (unheated) rooms towards the outside climate. They are used for less important rooms for which no particular requirements exist (e.g. garage, cellar/basement storage rooms etc.). Current statistics show that burglars mostly use side entrance doors to gain access to the house. Therefore it is vital to take adaequate **security features** into consideration – Internorm can offer you **different security systems upon request**.

As closure to occupied rooms (heated rooms) **house entrance doors** should be used due to climatic conditions.

Side entrance doors made of timber/aluminium, aluminium and UPVC are available in a wide spectrum of individual design possibilities.

Side entrance doors

Aluminium



AT 150/
Georgian/feature
bar model
Colour: M916,
Lever: MSD13,
Glass: Kathedral
hammered white
(AT150-14-001)



AT 150/
Glass panel
combination
Colour: HM735,
Lever: MSD13,
Glass: Kathedral
hammered white
(AT150-14-002)



AT 150/
Panel model
Colour: HM704,
Lever: MSD13
(AT150-14-003)



AT 150/
Glass panel
combination
Colour: HM716,
Lever: MSD13,
Glass: Satinato
white
(AT150-14-004)

Timber/aluminium



HF 310



HF 310



HF 210



HF 210



UPVC



KF 410



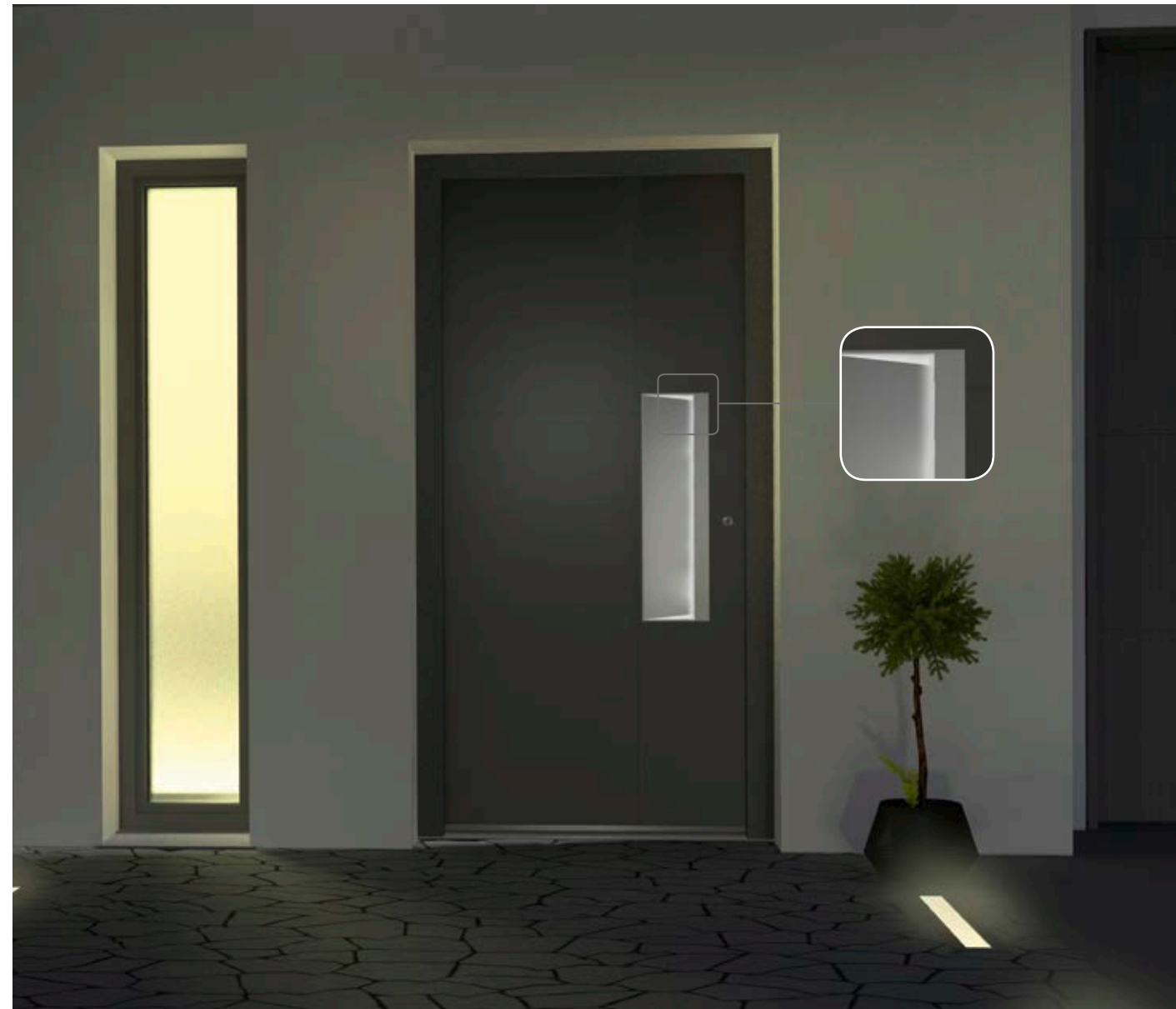
KF 405



KF 200



KF 200



ILLUMINATED RECESSED HANDLES

Our LED lighting in the recessed handle combines innovative technology with high-quality design.

The lighting of the surface-flush installed recessed handle which is available in three sizes ensures that you are not left in the dark outside your front door. You could e.g. connect it to a dimmer switch so that the light comes on automatically once it grows dark or you could also couple it to a motion sensor.

The concealed installation of the LED technology thus imparts a very special radiance to each entrance door.

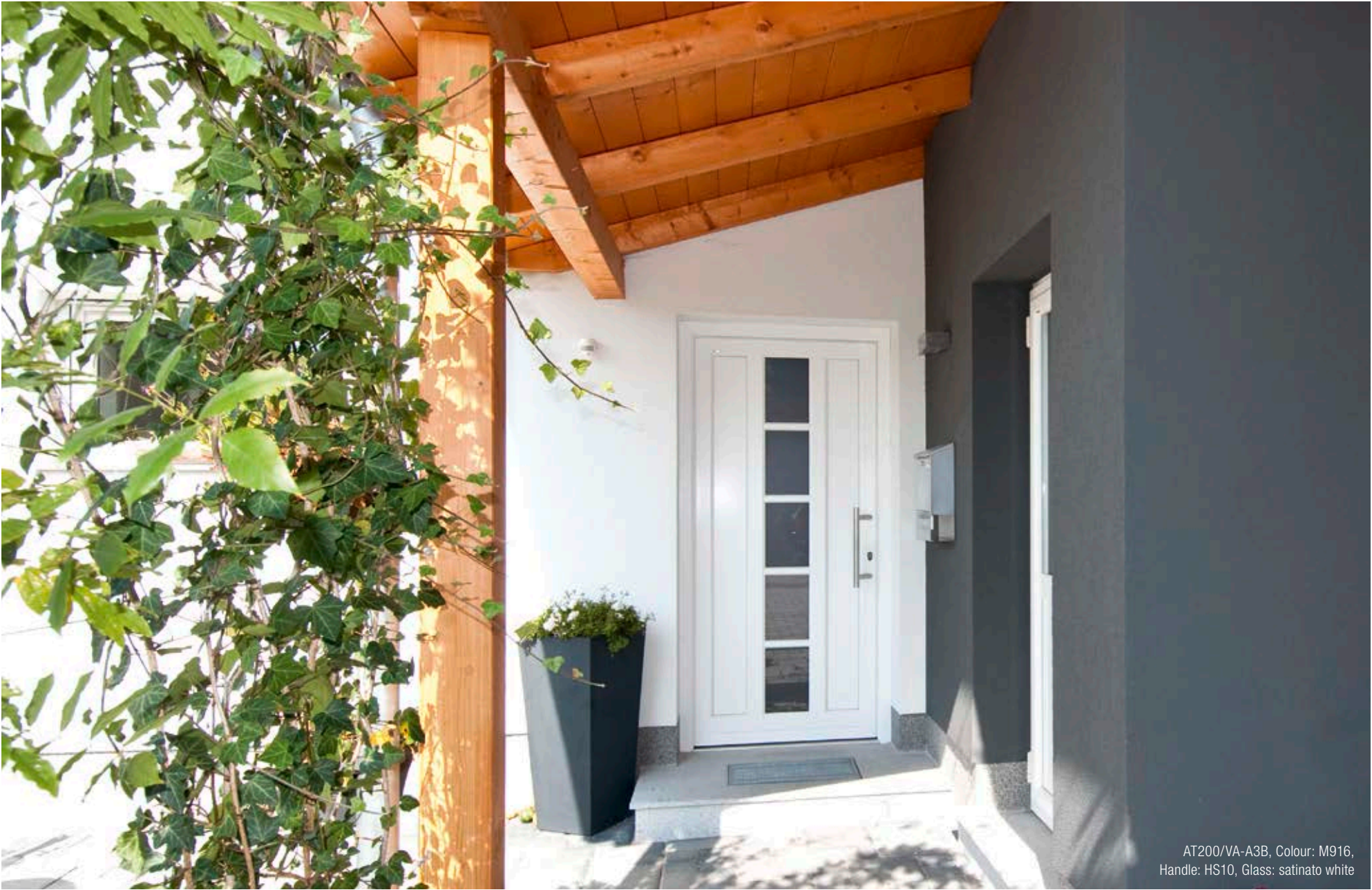


ILLUMINATED DOOR LEAF

Our LED lighting in the door leaf combines innovative technology with high functionality.

The lighting welcomes you and your guests with a pleasant atmosphere. Additionally, a well-lit entrance area offers added security as you can see better where you are walking.

The concealed installation of the LED technology thus presents your entrance in the best light.



AT200/VA-A3B, Colour: M916,
Handle: HS10, Glass: satinato white

Warranties

As Europe's leading and largest active international window brand, Internorm looks back on over **80 years of experience** in trendsetting window and door solutions of exceptional reliability and longevity. We can guarantee the following:

Warranty	10 YEARS	• 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. • 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. • No unnatural colour changes or cracked surfaces due to weather influences for anodised or powder coated window and door profiles made of aluminium. • No condensation between the panes of insulating glass. • 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. • 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. • The glue connection of glued Georgian/feature bars.
Warranty	5 YEARS	• PVD coated door handles are guaranteed against corrosion if there is no mechanical damage. • 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.
Warranty	3 YEARS	• No unnatural colour changes or surface cracks due to weather influences for roller shutter profiles made of UPVC. • No unnatural colour changes or surface cracks due to weather influences for anodised or powder coated roller shutter and blind profiles made of aluminium. • Function of window or door fittings, provided that the Internorm installation and maintenance guidelines have been adhered to.
Assurance	30 YEARS	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 that 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.

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

Checklist for your door purchase

Reasons for door purchase		☐ new building	☐ refurbishment
Type of building		☐ single family house or block of flats ☐ low-energy house	☐ passive house
Selection of frame material		☐ timber/aluminium	☐ aluminium ☐ UPVC
Door design possibilities		☐ design ☐ fixed elements ☐ fanlights ☐ colours (all RAL colours, timber decor, metallic decor, stainless steel, timber colours etc.)	☐ glass types ☐ handles ☐ locking/burglary protection
Opening types		☐ inward opening turn door	☐ outward opening turn door
Thermal insulation		☐ passive house suitable thermal insulation $U_w \sim 0.8 \text{ W/m}^2\text{K}$ ☐ low energy house suitable thermal insulation $U_w = 0.8$ up to $1.0 \text{ W/m}^2\text{K}$ ☐ increased thermal protection $U_w = 1.0$ up to $1.2 \text{ W/m}^2\text{K}$ ☐ standard version $U_w = 1.2$ up to $1.3 \text{ W/m}^2\text{K}$	
Installation of doors		☐ qualified specialist installation with good practise standards (e.g. ÖNORM, RAL etc.) ☐ planning of installation with good practise standards – together with Internorm distribution partner	
Care and maintenance		☐ maintenance contract with qualified Internorm distribution partner ☐ maintenance through personal contribution ☐ observation of Internorm handbook/warranty, care and maintenance	

Door quotes - When comparing always observe this:		☐ door measurements ☐ glazing ☐ locking ☐ construction depth ☐ accessories ☐ surface version	☐ thermal insulation and soundproofing values (acc. to test certificates) ☐ number of gaskets ☐ design ☐ certification mark
Warranty services		☐ on profiles (discolouration, cracks, show of condensation on insulating glass) ☐ on surfaces ☐ on glazing	☐ on function ☐ reliability of the door manufacturer as warrantor ☐ market product as security
Which services can I expect?		☐ measuring of door ☐ detailed, transparent quote with images ☐ installation ☐ maintenance ☐ others	
Please note:		☐ local construction regulations ☐ adherence of possible design templates ☐ funding ☐ delivery timescale	
Price/performance ratio regards personal demands:		☐ manufacturing quality ☐ comprehensive warranties and longevity ☐ maximum energy efficiency – perfect thermal insulation – low heating costs ☐ climate protection: lower CO ₂ emission through superior thermal insulation ☐ burglary protection	

Fitting/installation

THE BEST PRODUCTS – ONLY AS GOOD AS THEIR INSTALLATION

Professional fitting of doors is required for perfect functionality and long-term usability. Thermal insulation and impermeability play also an important role in building houses or refurbishment. Severe thermal loss can occur especially in the connecting area to the brickwork.

Practise has shown that exactly this is the area where condensation and mould can form. 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 installation will guarantee:

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

Important points to consider when fitting doors:

Room air temperature, room air humidity: The connection to the wall (construction connection joint) needs to be closed off 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 or humidity.

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

The connection to the brickwork needs to be permanently wind and driving rain tight from the outside. 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 depending 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.

Certifications & Awards | Imprint



Austria State Emblem



Austrian Quality Label



CE certification



TÜV



Institute for Window Technology
Rosenheim



Plus X Award



RAL Quality Seal



Federal Ministry for Traffic, Innovation and Technology



Technical University of Technology
Graz



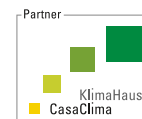
Minergie® Certification



Austrian Society for Environment Simulation



Certificate for Sustainable Forestry



KlimaHaus Certificate



Interest Group Passive House Austria



Energy Globe
(Project Schiesthaus)



Climate Association
Town Traun

Due to printing and manufacturing technology **colour deviations** between illustrations in the Door book and the original products may occur.

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

Obscure glass cannot always be displayed true in colour and structure to the originals.

To avoid misunderstandings, please compare the glass samples at your Internorm distribution partner.

Further information can be found under **www.internorm.com**.

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