Internorm®

WINDOWS & DOORS

Highlights of Architecture

2020/21

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

EUROPE'S NO. 1 WINDOW BRAND

WE ARE A STRONG FAMILY BUSINESS!

Internorm has been a family business for 89 years having developed from a one-man blacksmith's shop to the largest internationally active window brand.

During this time we have manufactured over 25 million window and door units, all 100% made in our production facilities in Traun, Sarleinsbach and Lannach. From the creation of the UPVC window and the production of the timber/aluminium window to today's high tech and ultra-modern design innovations, our family company has been setting standards all over Europe. We are pioneers in our field and continue to further develop technology and innovative ideas.

Our staff, of over 1890 employees across Europe, are specialists who thrive on attention to detail and act with passion and integrity. Together with more than 1300 distribution partners in 21 countries we guarantee perfect product quality and the highest levels of service.

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

www.internorm.com

CONTENT

	Design styles	4
	Window and door overview	6
UPVC & UPVC/ALUMINIUM WINDOWS	KF 320	10
	KF 520	11
	KF 410	12
	KF 310	13
	KV 350	14
	KV 440	15
TIMBER/ALUMINIUM WINDOWS	HF 310	18
	HF 410	19
	HV 450	20
ENTRANCE DOORS	AT 410	24
	AT 400	26
	AT 310	28
	AT 305	30
	AT 200	32
	HT 410	36
	HT 400	38
TECHNOLOGIES	I-tec Secure	43
	I-tec Core	44
	I-tec Shading	45
	I-tec SmartWindow	46
	I-tec Ventilation	47
	I-tec Insulation & I-tec Glazing	48
XL GLAZINGS	KS 430	50
	HS 330	51
	Panorama HX 300	52
TIPS	Combinability	54
	Security	56
	Door handles	58
	Window handles	59
	Glasses	60
	Colours	60
	Glazing	63
	Sun and insect protection	64
	Side entrance doors	66
	Thermal insulation	68
	Sound reduction	69
	Warranties/Certifications	70

DesignStyles

Highlights of architecture

studio

Follows a very clear line in its design. This style with its cutting edge shapes and diminished appearance gives a contemporary and unconventional feel.

home pure

Meets the demands for a modern and straight-lined style creating bright living environments.

home soft

Feels friendly and cozy and offers many design varieties – from elegant to playful.

ambiente

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

WINDOWS AND DOORS FOR YOUR DREAM HOUSE

Architecture is as diverse as the people who live in it. The style of a house is not only shaped by building design, especially windows and doors also underline its character considerably.

You can fulfill your personal idea of living with Internorm windows and doors. Internorm is offering you a suitable solution.

To help you find the window and door solutions which fulfill exactly your requirements for architecture, design and comfort among the multitude of possibilities in shape, colour and material, you can choose from the different Internorm design styles: studio, home pure, home soft and ambiente.

Internorm

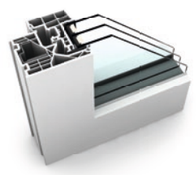
studio

home pure

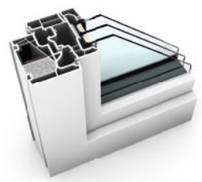
home soft

ambiente

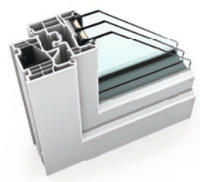
UPVC WINDOWS



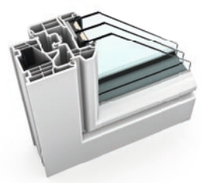
KF 320 **KF 520**



KF 410

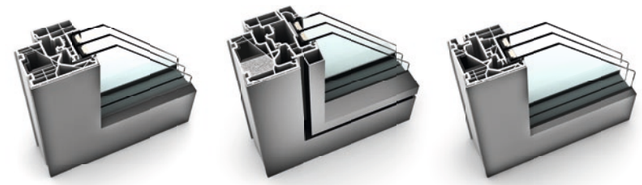


KF 310 **KF 410**



KF 310 **KF 410**

UPVC/ALUMINIUM WINDOWS



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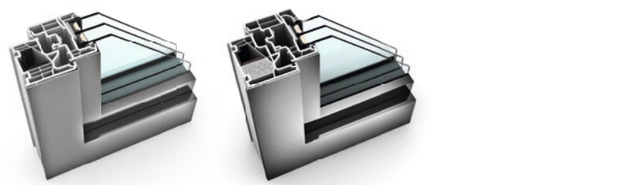

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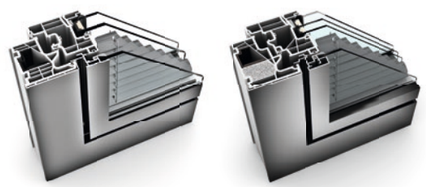
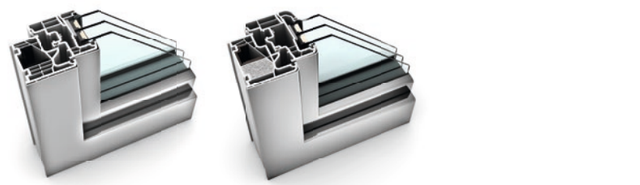
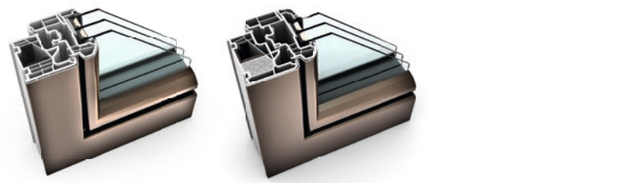


KV 350 **KV 440**

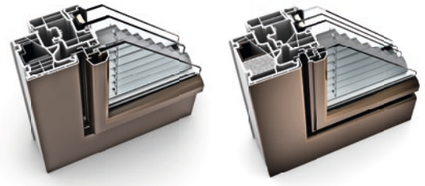


KF 310 **KF 410**

KV 440

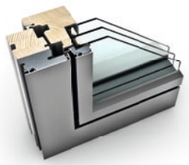


KF 310 **KF 410**

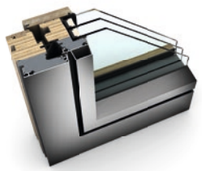


KV 350 **KV 440**

TIMBER AND TIMBER/ALUMINIUM WINDOWS



HF 310



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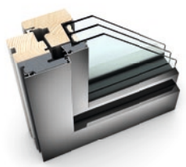

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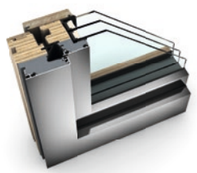

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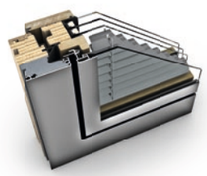

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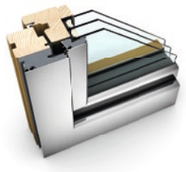

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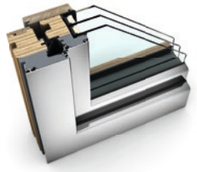

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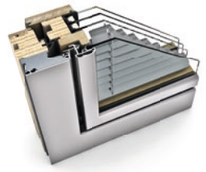

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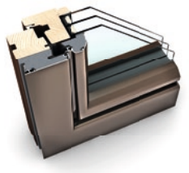

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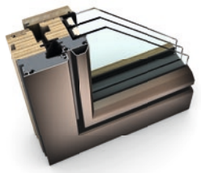


HF 410

TIMBER/ALUMINIUM ENTRANCE DOORS

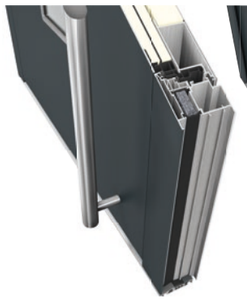
HT 410

studio

HT 400

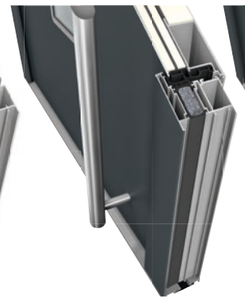
home pure
home soft
ambiente

ALUMINIUM ENTRANCE DOORS



AT 410

studio

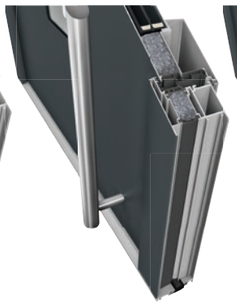


AT 400

home pure
home soft
ambiente

AT 310

home pure
home soft
ambiente



AT 305

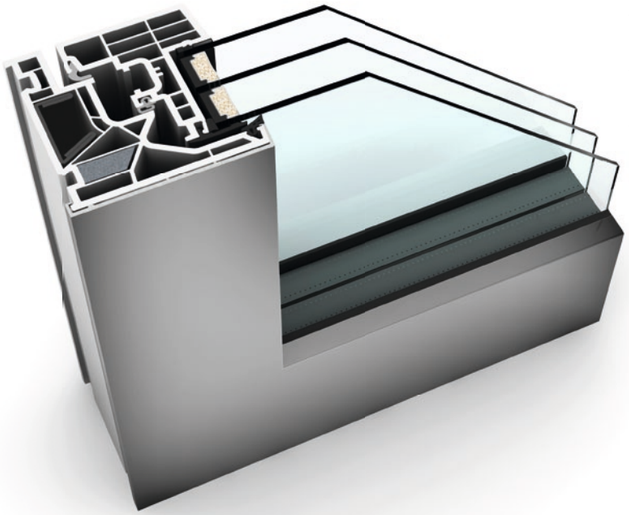
home pure
home soft
ambiente

AT 200

home pure
home soft
ambiente

Internorm

KF 320 UPVC & UPVC/ALUMINIUM WINDOW

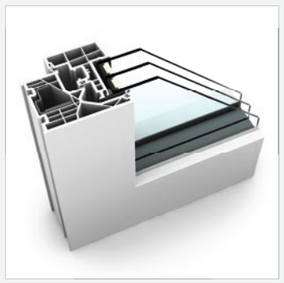


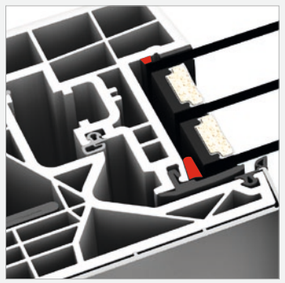
PROPERTIES

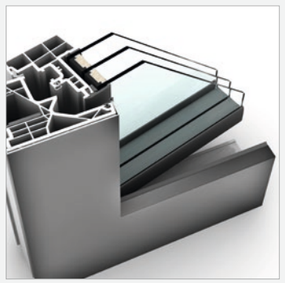
Thermal insulation	U_w as low as 0.65 W/(m²K)
Sound reduction	up to 45 dB
Security	RC1N, RC2
Locking	concealed
Construction depth	71/74 mm
Design style	studio

I-tec Glazing

studio



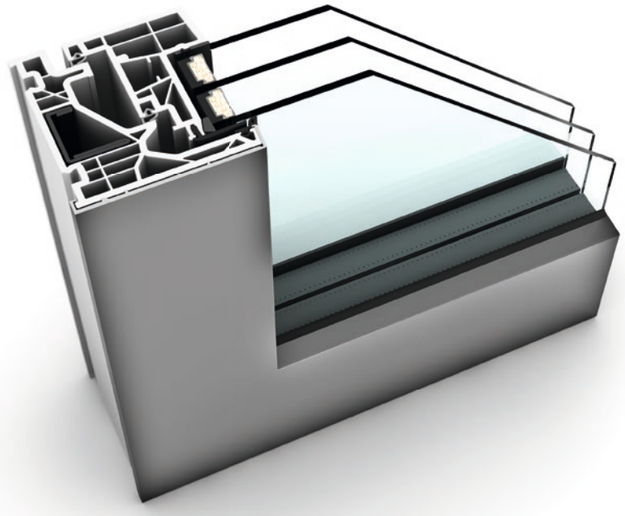




KF 320
The innovative glass sash of the KF 320 gives the impression of fixed glazing, yet it is still an openable window. The narrow, square-edged window frame highlights the minimal architecture of the design style studio, in either the classic white UPVC version or with aluminium attachment clad. Three-sided rendering of the frame achieves your dream of almost frameless glass architecture. I-tec glazing ensures excellent stability, thermal insulation and security through surrounding bonding of the glass pane.

NEW

KF 520 UPVC & UPVC/ALUMINIUM WINDOW

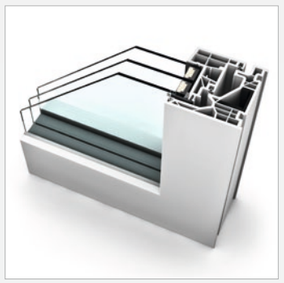


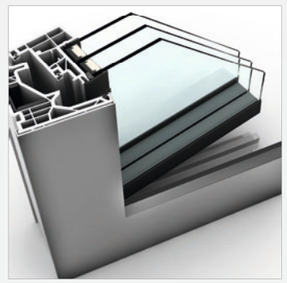
PROPERTIES

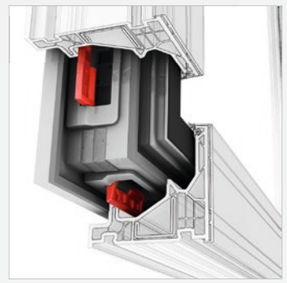
Thermal insulation	U_w as low as 0.63 W/(m²K)
Sound reduction	up to 46 dB
Security	RC3, RC2
Locking	fully integrated
Construction depth	90/93 mm
Design style	studio

I-tec Glazing
I-tec Secure

studio

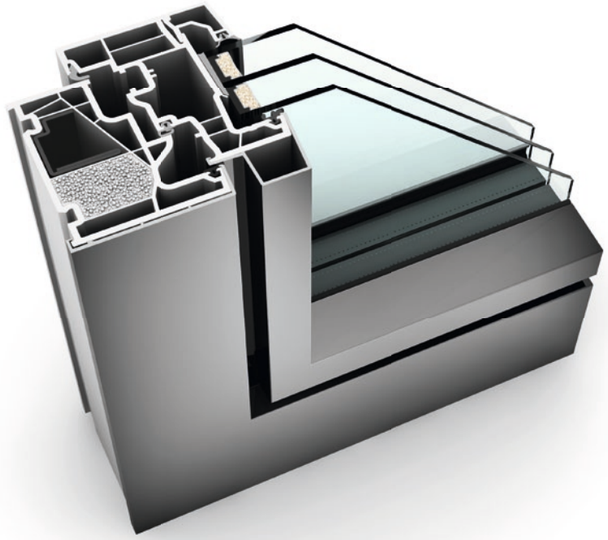






KF 520
Internorm‘s new window generation combines innovative design with technical know-how. The narrow frame with glass sash cannot be distinguished from fixed elements from the outside and thus allows more light to enter. The frame on the inside is especially narrow and finishes flush with the window sash. The perfect solution for modern and contemporary architecture. This window sash also contains the revolutionary locking I-tec Secure which renders levering of the window almost impossible. I-tec Secure is integrated in the new KF 520 as standard and achieves security class up to RC3.

KF 410 UPVC & UPVC/ALUMINIUM WINDOW

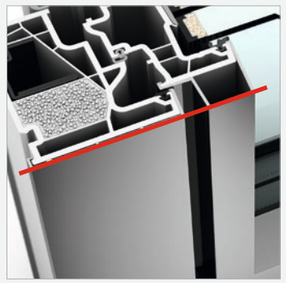
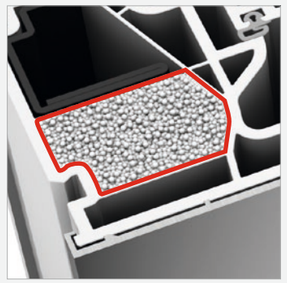


PROPERTIES

Thermal insulation	U_w as low as 0.62 W/(m²K)
Sound reduction	up to 45 dB
Security	RC1N, RC2
Locking	concealed
Construction depth	93 mm
Design style	studio home pure home soft ambiente

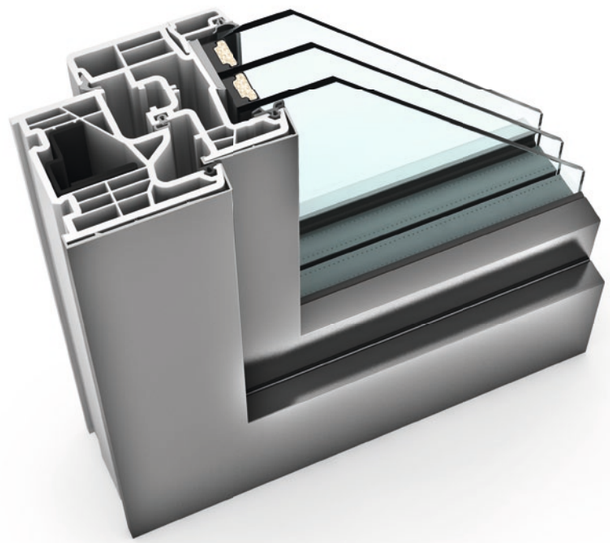
I-tec Glazing
I-tec Ventilation
I-tec Insulation

studio

KF 410
The completely flush transition of frame and sash combines KF 410 to one unit. Once the frame is rendered into the brickwork on three sides, only the narrow, square-edged sash frame remains visible. The frame is insulated seamless through the new insulation technology and thermal insulation is considerably improved. Technological advances with airing is provided by the I-tec ventilation. The ventilation system which is integrated in the frame ensures sufficient fresh air and ideal room climate 24/7.

KF 310 UPVC & UPVC/ALUMINIUM WINDOW

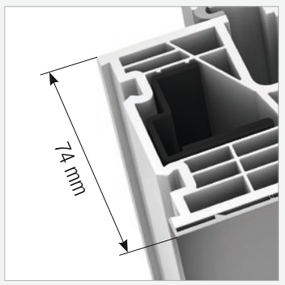


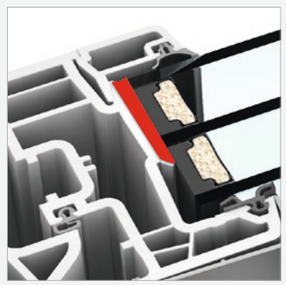
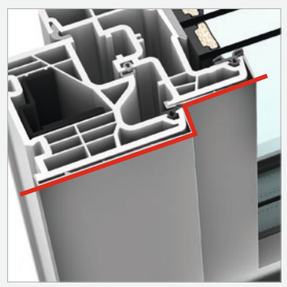
PROPERTIES

Thermal insulation	U_w as low as 0.69 W/(m²K)
Sound reduction	up to 45 dB
Security	RC1N, RC2
Locking	exposed
Construction depth	71/74 mm
Design style	home pure home soft ambiente

I-tec Glazing

home pure

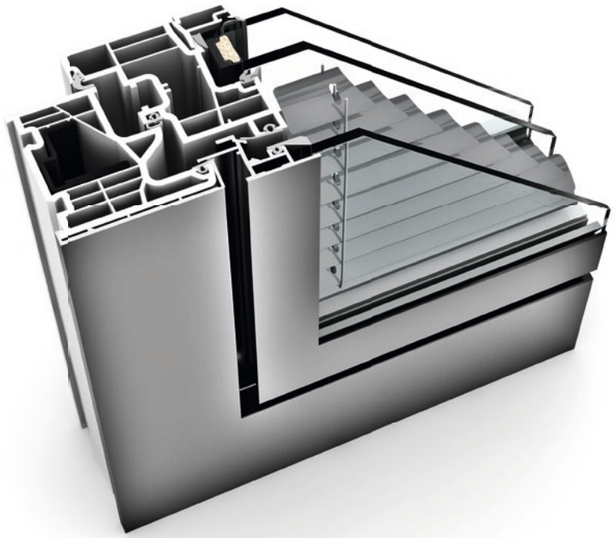


KF 310
This sleek new window features the proven and reliable technology of all our Internorm windows. It is characterised by the best thermal insulation and sound reduction values, as well as all round bonding of the glass pane with the window sash. KF 310 is available in a large selection of colours, handles and glazing, as well as a balcony and patio door and now also as a French balcony. The square-edged exterior design of the frame and sash matches the design style home pure.

Internorm

KV 350 UPVC/ALUMINIUM WINDOW WITH INTEGRATED BLIND

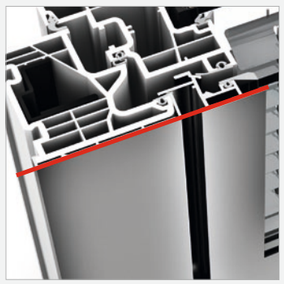


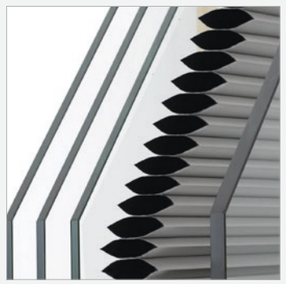
PROPERTIES

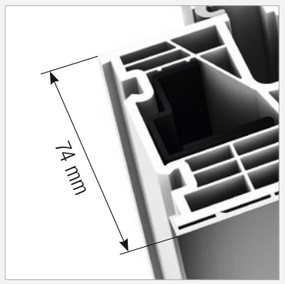
Thermal insulation	U_w as low as 0.79 W/(m²K)
Sound reduction	up to 44 dB
Security	RC1N, RC2
Locking	exposed
Construction depth	74 mm
Design style	home pure ambiente

I-tec Glazing
I-tec Shading

home pure

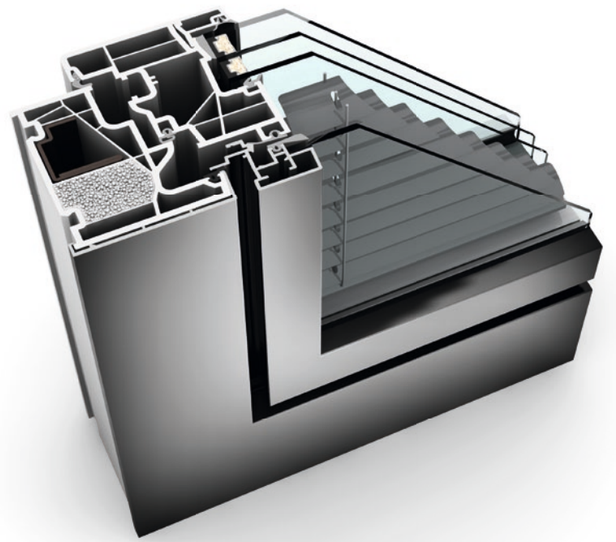






KV 350
The modern and narrow window KV 350, with integrated blinds, features four main advantages. As well as the best sound reduction and thermal insulation, sun and privacy protection are also integrated in the window directly between the glass panes. This helps with cleaning - the blind is protected by glass panes from wind, bad weather and dirt. Sun protection is now also available in refurbishments or on facades, even if they do not permit roller shutters. I-tec shading works fully self-sufficiently and offers many other useful functions.

KV 440 UPVC/ALUMINIUM WINDOW WITH INTEGRATED BLIND

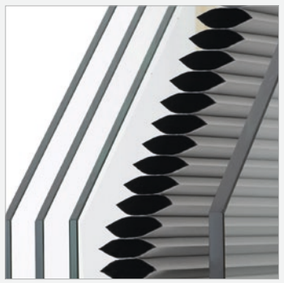


PROPERTIES

Thermal insulation	U_w as low as 0.64 W/(m²K)
Sound reduction	up to 45 dB
Security	RC1N, RC2
Locking	concealed
Construction depth	93 mm
Design style	home pure home soft ambiente

I-tec Glazing
I-tec Shading
I-tec Ventilation
I-tec Insulation

home pure



KV 440
The window with integrated blinds KV 440, also offers all around comfort besides flush design. Sun and privacy protection is integrated between the panes and therefore protected from dirt. routine cleaning of individual slats is a thing of the past. I-tec shading also offers many advantages when it comes to performance. The sun protection can be controlled via photovoltaic module and batteries and does not need any external power source. I-tec SmartWindow enables convenient operation via your tablet or Smartphone.

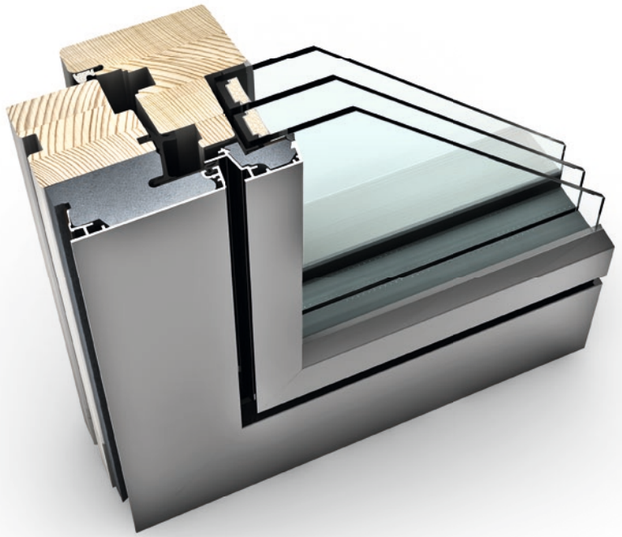
Internorm

FREEDOM IN BLACK & WHITE

The façade in shining white in contrast to the dark window frames – combined with deliberate large-scale glazing.

Detached house (A); window HF 310; entrance door HT 410

HF 310 TIMBER/ALUMINIUM WINDOW



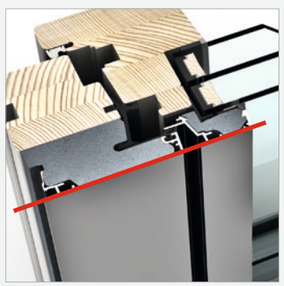
PROPERTIES

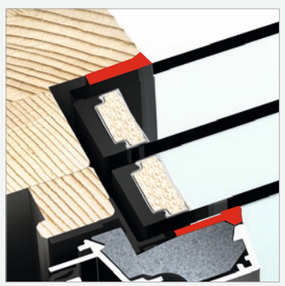
Thermal insulation	U_w as low as 0.62 W/(m²K)
Sound reduction	up to 46 dB
Security	RC1N, RC2
Locking	concealed
Construction depth	85 mm
Design style	studio home pure home soft ambiente

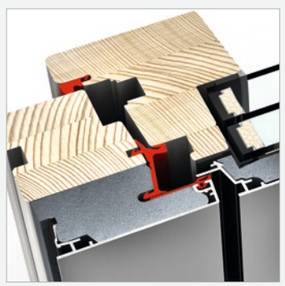
I-tec Glazing

TU Graz PASSIVHAUSTAUGLICH NACH RICHTLINIE WA15/2 Passive house certified

studio

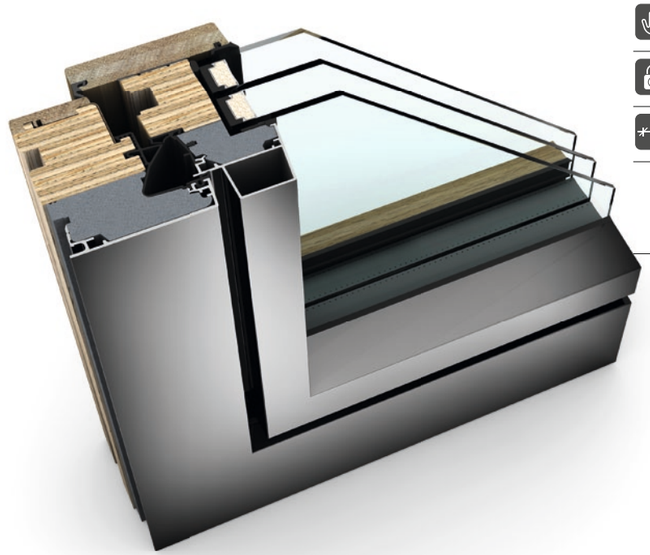






HF 310
A combination of timber/aluminium and highly insulating thermal foam in between the frame & sash. The HF 310 provides excellent thermal insulation values, natural timber refined with subtle paints, weather-resistant aluminium on the outside render the HF 310 the most attractive option among the timber/aluminium windows. Due to the same, flush design of the aluminium clad, HF 310 can be combined with UPVC window KF 410. All around bonding of the glass pane (I-tec glazing) ensures excellent stability and security protection. Triple continuous gaskets protect the interior area from exposure to the rain.

HF 410 TIMBER/ALUMINIUM WINDOW



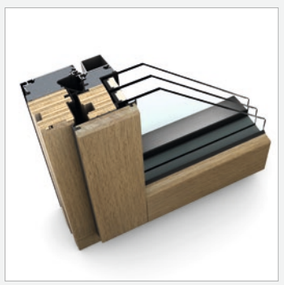
PROPERTIES

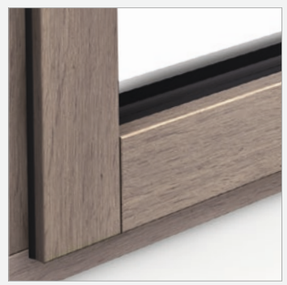
Thermal insulation	U_w as low as 0.64 W/(m²K)
Sound reduction	up to 45 dB
Security	RC1N, RC2
Locking	concealed
Construction depth	85 mm
Design style	studio home pure home soft ambiente

I-tec Glazing

I-tec Core

studio

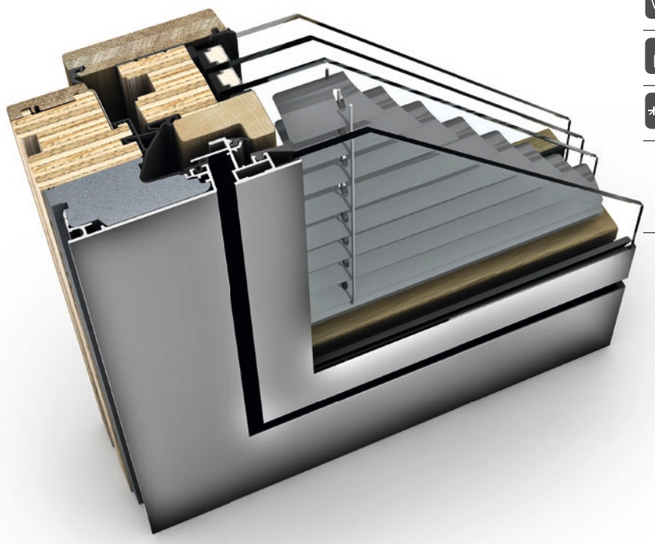




HF 410
Sustained materials and colours of the interior decoration underline your minimalistic living style and bring individual elements into the forefront. HF 410 adapts perfectly to your interior design. Different colours and timber types offer you countless possibilities for your individual colour design of your interior spaces. Grey Oak as interior colour agrees with the modern living style with clear forms, plain materials and modest colours. Made to order, opening and fixed glazed windows can be integrated to large areas.

NEW

HV 450 TIMBER/ALUMINIUM WINDOW WITH INTEGRATED BLIND



PROPERTIES

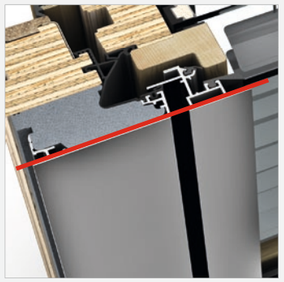
Thermal insulation	U_w as low as 0.62 W/(m²K)
Sound reduction	up to 46 dB
Security	RC1N, RC2
Locking	concealed
Construction depth	85 mm
Design style	home pure home soft ambiente

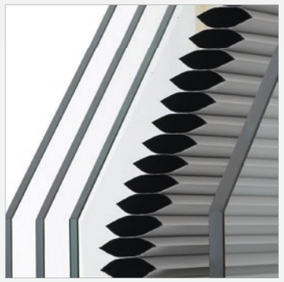
I-tec SmartWindow

I-tec Glazing

I-tec Shading

home pure





HV 450

The completely flush transition from frame and sash as well as the integrated sun protection between the panes makes HV 450 one system. Blinds, Venetian blinds or Duette® are protected from dirt through the integrated installation. Which means 4 x more protection in one window with the perfect sun and privacy protection, thermal insulation and sound reduction. I-tec shading works fully energy self-sufficiently and also offers several other useful functions. Convenient functionality is also available with I-tec Smart Window.

Internorm

CLEAR LINES

Due to the structured and spatially arranged logic, the windows integrate well into the plain cube and create a relaxing appearance.

Detached house (A); windows HF 310

AT 410 ALUMINIUM ENTRANCE DOOR

COMPLETE IN FORM – FLUSH DESIGN IN PERFECTION

The flush design of frame and door leaf is perfected through concealed hardware, level key hole cover plates, sunken recessed handles and heavy duty joiners as well as flat glass surrounds.

Online door designer

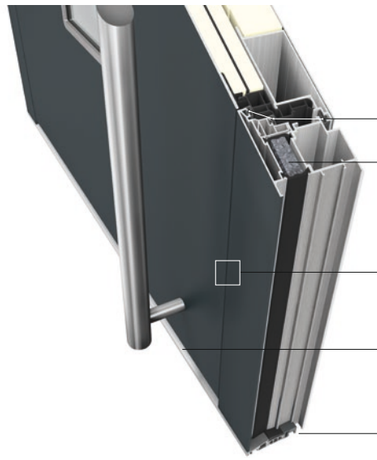
FLUSH INTERIOR AND EXTERIOR DESIGN

Outside view

Inside view

PROPERTIES

Thermal insulation	U_D as low as 0.78 W/(m²K)
Sound reduction	up to 36 dB
Security	up to RC2
Design style	studio



3 gasket levels

3 chamber frame profile and foam insulation core for high thermal insulation

Flush interior and exterior design

Low threshold thermally broken

Construction depth 93 mm

FA
Colour: HFM14
Handle: KGS04
Order no.: 20-002

FO
Colour: HFM05
Handle: RGS01
Order no.: 20-003

FG
Colour: HM716
Handle: MGSE10
Designer elements: Heavy duty joiners
Order no.: 20-088

GG
Colour: HF113
Handle: MGSE10
Glass: Satinato white,
Alunox glass surround
Order no.: 20-018

DD
Colour: HM716
Handle: TEG15
Glass: Satinato white
Designer elements: Heavy duty joiners
Order no.: 20-024

PN
Colour: Frame HM907,
sash HM907, M916
Handle: EGS06
Glass: Satinato white
Alunox glass surround
Order no.: 20-025

AT 400 ALUMINIUM ENTRANCE DOOR

PURISTIC – CREATES CLEAR LINES

The smooth door leaf and the square-edged frame creates clear lines which are further emphasized through straight-lined designer elements or glass cut-outs, bar handles as well as raised or flat heavy duty joiners.

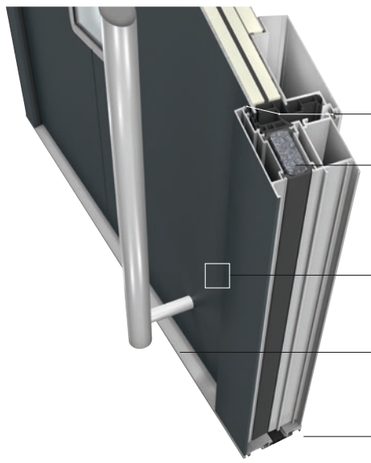
SQUARE-EDGED PROFILE

Outside view

Inside view

PROPERTIES

Thermal insulation	U_D as low as 0.75 W/(m²K)
Sound reduction	up to 36 dB
Security	up to RC2
Design style	home pure home soft ambiente



Triple gasket seal

3 chamber frame profile and foam insulation core for high thermal insulation

Square-edged design inside and outside

Low threshold thermally broken

Construction depth 93 mm

FM
Colour: Frame HM704,
sash HM704, M916
Handle: KGS03
Order no.: 20-008

FK
Colour: HM716
Handle: SG13
Designer elements: Heavy duty joiners
Order no.: 20-005

PE
Colour: HM716
Handle: EGS01
Glass: Satinato white
Order no.: 20-014

DM
Colour: Frame HFM12,
sash HFM12, M916
Handle: MGSE6
Glass: Satinato white
Order no.: 20-030

PK
Colour: M916
Handle: RGS03
Glass: Satinato white
Order no.: 20-038

AG
Colour: Frame HF113,
sash HF113, M916
Handle: HS40
Glass: Satinato white
Order no.: 20-047

AT 310 ALUMINIUM ENTRANCE DOOR

STRAIGHT-LINED – STUNNING DESIGN FEATURES

The combination of flush door leaf outside and profiled door leaf inside offers numerous design possibilities. The clear shapes are underlined by millings, glass cut-outs and designer frames.

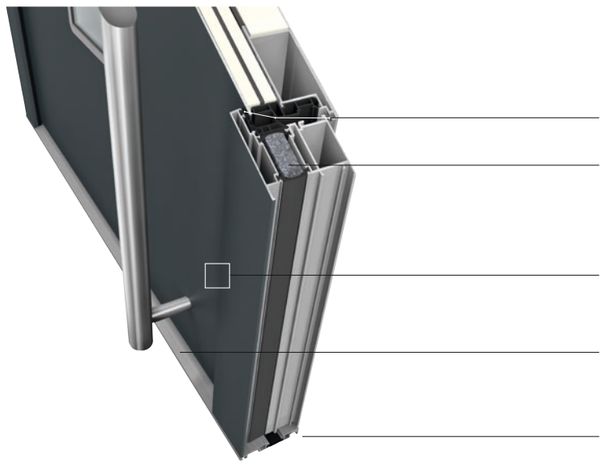
PROFILED DESIGN INTERNAL & EXTERNAL

Outside view

Inside view

PROPERTIES

Thermal insulation	U_D as low as 0.81 W/(m²K)
Sound reduction	up to 33 dB
Security	up to RC2
Design style	home pure home soft ambiente



3 gasket levels

3 chamber frame profile and foam insulation core for high thermal insulation

Profiled design inside and outside

Low threshold thermally broken

Construction depth 93 mm

SA
Colour: HFM05
Handle: HS30
Glass: MDNL
Order no.: 20-041

SJ
Colour: HFM22
Handle: MGSE6
Glass: Satinato white
Order no.: 20-042

AM
Farbe: M916
Griff: HS10
Glas: D03
Bestellnr: 20-044

PG
Farbe: HFM11
Griff: RGS02
Glas: Satinato weiß
Bestellnr: 20-036

PM
Colour: HF113
Handle: FS10
Glass: Satinato white
Order no.: 20-037

PK
Colour: M916
Handle: RGS03
Glass: Satinato white
Order no.: 20-038

AT 305 ALUMINIUM ENTRANCE DOOR

LINEAR LINES – PURISTIC DESIGN

The intelligent plate construction with insulation glass core ensures excellent thermal insulation and sound reduction as well as maximum stability. Standard triple-point locking with two bolts and one main bolt render these entrance doors additionally secure.

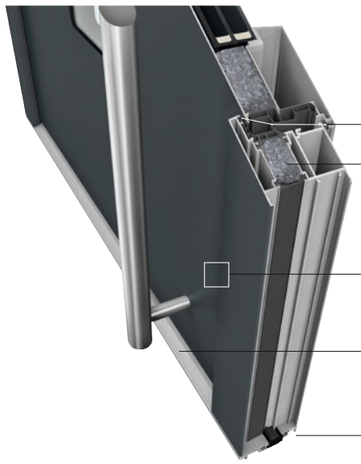
PROFILED DESIGN INSIDE AND OUTSIDE

Outside view

Inside view

PROPERTIES

Thermal insulation	U_D as low as 0.98 W/(m²K)
Sound reduction	up to 39 dB
Security	up to RC2
Design style	home pure home soft ambiente



3 gasket levels

3 chamber frame profile and foam insulation core for high thermal insulation

Profiled design inside and outside

Low threshold thermally broken

Construction depth 93 mm

PP
Colour: HFM12
Handle: RGS05
Glass: Satinato white
Order no.: 20-034

PG
Colour: HFM11
Handle: RGS02
Glass: Satinato white
Order no.: 20-036

PM
Colour: HF113
Handle: HS10
Glass: Satinato white
Order no.: 20-037

FA
Colour: HFM14
Handle: KGS04
Order no.: 20-002

GD
Colour: HFM05
Handle: KGS04
Glass: Satinato white
Order no.: 20-016

GA
Colour: Frame HM716
Handle: HS42
Glass: Satinato white
Order no.: 20-019

AT 200 ENTRY MODEL

WITH MANY VARIATIONS – FROM TRADITIONAL TO CONTEMPORARY

This entrance door can be designed in many ways with beaded sash, designer ornaments and Georgian/feature bar solutions. AT 200 features a profiled door leaf inside and outside which can alternatively be square-edged.

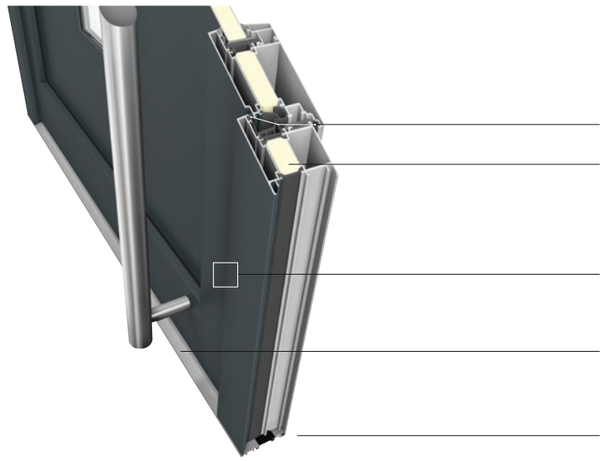
AVAILABLE IN SQUARE-EDGED OR PROFILED DESIGN

Outside view

Inside view

PROPERTIES

Thermal insulation	U_D as low as 1.2 W/(m²K)
Sound reduction	up to 39 dB
Security	up to RC2
Design style	home pure home soft ambiente



3 gasket levels

3 chamber frame profile and foam insulation core for high thermal insulation

Square-edged or profiled design inside and outside

Low threshold thermally broken

Construction depth 80 mm

SE-E2B
Colour: Frame M916, sash M916, HM735
Handle: HS10
Glass: Satinato white
Order no.: 20-057

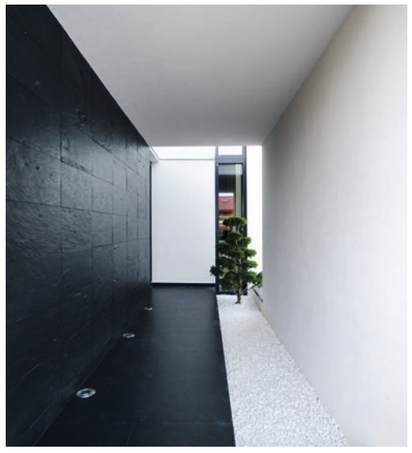
SE-P0B
Colour: HM304
Handle: HS10
Glass: MRI
Order no.: 20-067

EL-K1B
Colour: HFM04
Handle: GD15
Glass: D41
Order no.: 20-079

VA-K2B
Colour: HM704
Handle: TEG14
Glass: Satinato white
Order no.: 20-060

LU-B3B
Colour: Frame HM716, sash HM716, M916
Handle: GD10
Glass: Satinato white
Order no.: 20-069

SE-R0B
Colour: HFM02
Handle: TEG10
Glass: Linea
Order no.: 20-053



MODERN PLAY IN BLACK AND WHITE

Clear architectural language by colour separation of solid and open building elements.

Detached house (RO), door: AT 410, windows: KF 405

HT 410 TIMBER/ALUMINIUM ENTRANCE DOOR

FLUSH DESIGN

The smooth flow from frame and door leaf, concealed hardware, level key hole cover plates, recessed handles and millings as well as flat glass surrounds create the perfect design.

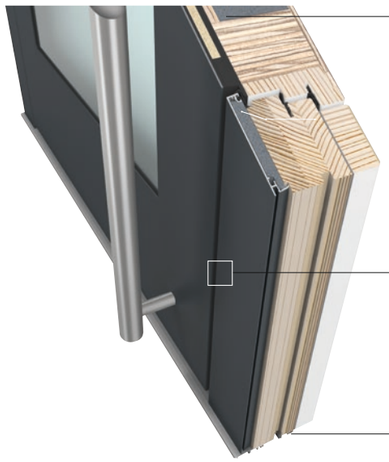
FLUSH INTERIOR AND EXTERIOR DESIGN

Outside view

Inside view

PROPERTIES

Thermal insulation	U_D as low as 0.58 W/(m²K)
Sound reduction	up to 34 dB
Security	up to RC2
Design style	studio



Wide thermal foam insulation for very high thermal insulation

Flush interior and exterior design

Construction depth 121 mm

FJ
Colour: HFM14
Handle: MGSE8
Designer elements: Heavy duty joiners
Order no.: 20-004

FD
Colour: Frame HM716,
sash HM716, HM907
Handle: RGS05
Order no.: 20-009

GD
Colour: HFM05
Handle: KGS04
Glass: Satinato white
Order no.: 20-016

DL
Colour: Frame HM716, sash M916,
SD04 High gloss black
Handle: SG16
Glass: Satinato white
Designer elements: Heavy duty joiners
Order no.: 20-021

DG
Colour: M916
Handle: SG17
Glass: Satinato white
Alunox glass surround
Order no.: 20-0137

GG
Colour: HF113
Handle: MGSE10
Glass: Satinato white,
Alunox glass surround
Order no.: 20-018

HT 400 TIMBER/ALUMINIUM ENTRANCE DOOR

PURISTIC LINES

The smooth door leaf and the square-edged frame create clear lines which are emphasized by continuous glass layers, straight-lined designer elements, bar handles as well as stainless steel attachments.

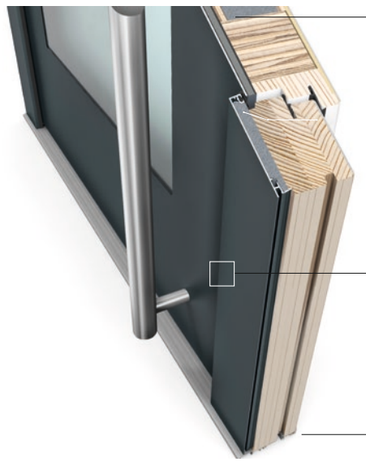
SQUARE-EDGED INTERIOR AND EXTERIOR DESIGN

Outside view

Inside view

PROPERTIES

Thermal insulation	U_D as low as 0.73 W/(m²K)
Sound reduction	up to 34 dB
Security	up to RC2
Design style	home pure home soft ambiente



Wide thermal foam insulation for very high thermal insulation

Square-edged design inside and outside

Construction depth 85 mm

FL
Colour: Frame HM716,
sash HM716, HM735
Handle: SG13
Order no.: 20-006

PE
Colour: HM716
Handle: EGS01
Glass: Satinato white
Order no.: 20-014

GJ
Colour: Frame HF735,
sash HF735, HF716
Handle: MGSE10
Glass: Satinato white
Order no.: 20-015

FK
Colour: HM716
Handle: SG13
Designer elements: Heavy duty joiners
Order no.: 20-005

FM
Colour: Frame HM704,
sash HM704, M916
Handle: KGS03
Order no.: 20-008

DD
Colour: HM716
Handle: TEG15
Glass: Satinato white
Designer elements: Heavy duty joiners
Order no.: 20-024

Not all designs are illustrated in our brochure. Please visit our website www.internorm.com to access our door designer.

Internorm

Fotos: ecohaus

INSIDE OUTSIDE HOUSE

Shortlisted for Grand Designs House of the Year 2016 & Stirling Prize Award 2016

Inside Outside House uses Internorm Large Scale glazing to achieve the frameless look throughout. Utilising Triple Glazed Glass Corners and Glass joins, Inside Outside House not only benefits from a frameless feel but also high performance to ensure the home is comfortable in the coldest weather.

Detached house (UK): windows HS 330

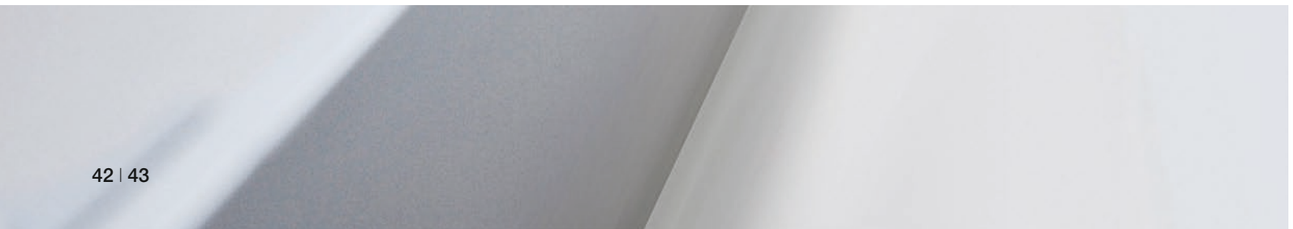
REVOLUTIONARY

NEW STANDARDS FROM INTERNORM.

Under the melodius title of **“I-tec“**, Internorm has been developing a series of revolutionary technologies to meet the rising demands on design, technology, quality and comfort.

I-tec Secure · I-tec Core · I-tec Ventilation · I-tec Shading · I-tec Glazing
I-tec Insulation · I-tec SmartWindow

Discover Internorm‘s innovative technologies on the following pages and be amazed!



I-tec Secure

FEEL SAFE.
FEEL IMPORTANT.

Not only people who surround us, also furnishings of our living areas and the view to the outside contribute to us feeling well in our own four walls. To feel safe is also an important part.

With the unrivalled locking I-tec Secure you can be sure that your windows offer reliable protection. Instead of the customary locking pegs, flaps ensure the precise locking of the window sash with the frame. Levering of the window is practically impossible. **I-tec Secure is** integrated **in the new KF 520 as standard** and is available up to RC3 upon request.

These flaps also offer significant advantages when cleaning the windows. Only a few sash parts protrude, closing elements are completely omitted. Between the parts is only a smooth and easy to care for UPVC surface. I-tec Secure is integrated in the UPVC or UPVC/aluminium window KF 520 as standard and achieves security class RC2N with lockable handle as standard.

ADVANTAGES

- Perfect security up to RC3 available due to integrated flaps
- Locking is situated in short distances on all four sides
- Levering of window is practically impossible
- Nice appearance as there are no visible closing elements
- Easy cleaning of window frame
- Modern glass architecture due to low view height

Internorm

ADVANTAGES

- Durable core in window frame and window sash
- Slimline view widths for more light
- Matching timber types and colours for your interior design –
  individual colour and timber variety
- Attractive price/performance ratio
- Perfect combinability of window solutions – windows, lift-sliding doors, panorama glazing

I-tec Core

DURABLE WINDOW. COUNTLESS TIMBER VARIATIONS

Spacious and bright living with large glass openings requires exceptional window solutions.
Next to the highest stability and load-bearing capacity, the window frame should be as slimline as possible and match the interior design.

Internorm has developed a timber core with I-tec Core which achieves these requirements.
The narrow, bonded timber layers are, resistant, durable and robust - these have been previously used for stable roof beams and supports. Large window solutions, lift-sliding doors or panorama windows can therefore be easily manufactured. Additionally, the narrow frame design gives this window elegance. The new high-tech material is also resource-saving, sustainable and enables larger dimensions due to its exceptional load-bearing capacity. The timber of the window sashes can be matched to your individual design needs, flooring or doors, as besides the standard timber types for windows such as spruce and larch, the exterior is also available in oak, ash and walnut.

I-tec Shading

ENERGY SELF-SUFFICIENT SUN PROTECTION.

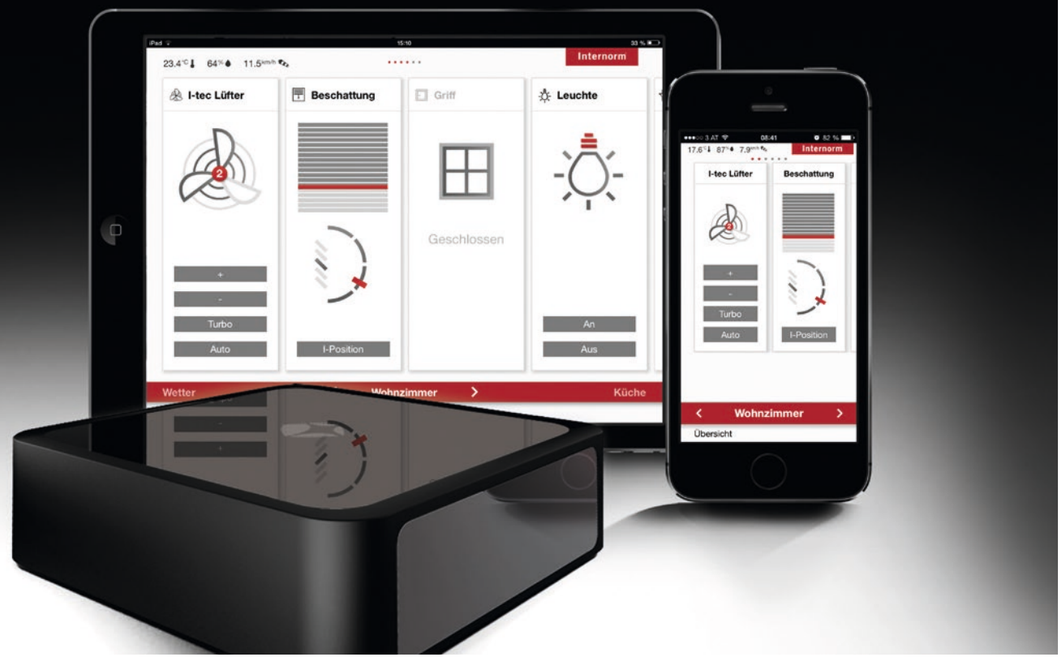
Especially with refurbishments, you want as little dust and dirt as possible. Unnecessary work for additional power lines is not something you want to do.

Here, I-tec Shading is the perfect solution. The energy required for the drive is gained directly by the window through a photovoltaic module which is integrated into the blind cover. As no external power line is required, no extra work ie. structural provisions have to be taken care of.
All cables, chargers, modules etc. are positioned directly in the window.
The blind can be moved up and down via a remote directly at the window or via special automatic functions.
Day/night recognition, for example, opens and closes the blind from dawn til dusk. Measuring the solar irradiation and temperature prevents overheating of the rooms. The blind, however, can also be operated via SmartHome solutions such as I-tec SmartWindow.
The energy self-sufficient I-tec Shading can be used with all Internorm window systems with integrated blinds.

ADVANTAGES

- No electricity needed due to the photovoltaic module
- Use of energy gain in winter – reduction of heating costs
- Automatic functions such as day/night recognition and measuring of solar irradiation
- Manual control available directly at the window frame
- Convenient control also via SmartHome solutions such as I-tec SmartWindow or Loxone Smart Home
- Photovoltaic module and sun protection integrated between glass panes

Internorm



ADVANTAGES

- Intelligent control all around the window – free App
- Mobile operation of I-tec Ventilation, I-tec Shading, sun protection and fanlights
- Opening control of your windows – even when you are away
- Easy operation
- Individual adjustment

I-tec SmartWindow

EASY OPERATION. CONVENIENT CONTROL.

Intelligent home controls and SmartHome solutions will simplify your life. Music, light, heating and much more can be conveniently operated with this, whether you are at home or on your way home.

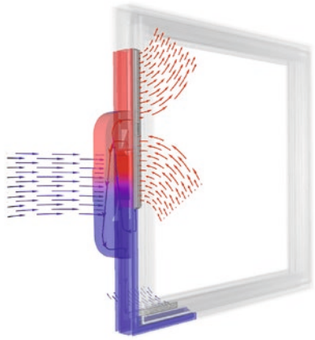
Internorm now offers mobile control around the window with I-tec SmartWindow. Besides its own opening control of windows, I-tec Ventilation, I-tec Shading, sun protection and fanlights can be operated via Smartphone or tablet. A simple touch of the finger moves blinds up and down, adjusts light according to your requirements or regulates the ventilator volume. Fanlights can easily be opened or closed. Also open, tilted and closed windows can easily be monitored via the App.
The App I-tec SmartWindow can be downloaded free of charge together with its installation instructions from the App Store or from Google Play.

I-tec Ventilation

FRESH AIR. REGULATED BY THE INDIVIDUAL.

We spend time in different rooms for different amounts of time and also use them very differently.
For example, we are in the bathroom usually only for a short amount of time and while showering produce, steam and therefore humidity. Whereas, we spend the whole night in the bedroom and emit CO_2 during sleep. Storage areas or guest bedrooms are usually only used short-term and need to be aired predominantly to prevent mould.

Our usage of individual rooms is therefore as different as the requirements for fresh air. Internorm has developed a ventilation system with I-tec Ventilation which is geared towards exactly these individual requirements. This ventilation system is integrated **directly in the window frame** and can be regulated at each window individually, depending on how much fresh air is needed; more for one room, less for another room. In automatic mode, I-tec Ventilation measures the humidity content of the used air and switches on automatically if needed. I-tec Ventilation ensures fresh air and an optimum room climate.

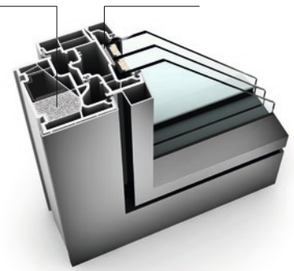


ADVANTAGES

- Each I-tec Ventilation and therefore each window and each room can be regulated individually
- Individual fresh air per room and as required for healthy living
- Less heat loss as full airing no longer necessary
- Increased security as window remains closed while airing takes place
- Integrated filters ensure air free from dust and pollen
- Operation available via I-tec SmartWindow or Loxone SmartHome
- Fresh air without any outside noise

Internorm

I-tec Insulation I-tec Glazing



YOUR ADVANTAGES
I-tec Glazing

- Maximum burglary protection
- Increased stability
- Increased thermal insulation
- Improved sound reduction

YOUR ADVANTAGES
I-tec Insulation

- Granulate instead of foam
- Improved thermal insulation
- Hollow chambers filled completely

I-tec Glazing **I-tec Insulation**

CONTINUOUSLY EFFICIENT. SAFETY ALL AROUND.

Many window panes are only glued into the frame at a few points. The glass can easily be pushed out of the frame and levered out. Also the insulation foam is not always attached all around, so not ensuring optimum thermal insulation.

To ensure maximum security protection, Internorm windows are equipped with **I-tec glazing** already as standard. Here, the glass pane is bonded to the window sash continuously and without gaps. This bonding system ensures a strong connection from glass to sash on the one hand, on the other hand it enhances stability as well as thermal insulation and sound reduction. Despite this strong connection, the glass can still be changed easily. **I-tec Insulation** is already available as a standard feature with two Internorm window systems. A granulate is pushed into the frame interior with pressure and so evenly fills the hollow chambers completely. Thermal insulation is considerably improved.

XL GLAZINGS

LIFT-SLIDING DOORS PANORAMA

Bright, light-flooded rooms create freedom for you and your family. Large glass areas extend the living space beyond its real border. This creates a new unlimited sense of space and at the same time offers a full view to the outside.

Internorm offers innovative solutions for modern glass architecture with frameless windows, fixed glazings, all-glass corners, large-scale lift-sliding doors, panorama windows and special solutions. Your ideas of maximum openness can become reality through a combination of these solutions.

KS 430 UPVC & UPVC/ALUMINIUM LIFT-SLIDING DOOR

The new UPVC or UPVC/aluminium lift-sliding door KS 430 creates light-flooded rooms and enlarges your home beyond its real borders. Without any effort the large-scale sliding elements can be opened to make even more space.

The KS 430 offers modern design and excellent comfort combined with high-quality technology:

- More light through large-scale glazings
- Soft/lift as standard for easy operation
- Available up to 6500 x 2800 mm
- Narrow sliding frames and frameless side elements
- Easy operation of sash up to 400 kg sash weight
- Energy efficient and heating cost saving
- No tripping hazard due to low threshold height
- Attractive colours for individual design requests
- Better stability due to glass fibre low threshold
- Thoughened panes protect from injuries when glass breakages
- Can be perfectly combined with all other Internorm window systems

PROPERTIES

Thermal insulation	U_w as low as 0.64 W/(m²K)
Thermal insulation	up to 43 dB
Security	RC1N, RC2

HS 330 TIMBER/ALUMINIUM LIFT-SLIDING DOOR

The timber/aluminium lift-sliding door HS 330 makes the borders between inside and outside disappear almost magically. It connects the inside space with the surrounding nature and creates a new, awareness of space.

The HS 330 offers unique design and exceptional comfort, combined with high-quality technology:

- More light through large-scale glazings
- Available up 11 m wide x 3.2 m height
- Narrow sliding frame and frameless side elements
- Easy lifting and sliding of sash up to 400 kg sash weight
- Energy efficient and heating cost saving
- Low heat emission due to triple glazing
- No tripping hazard due to low threshold height
- Attractive colours for individual design requests
- Better stability due to glass fibre low threshold
- Thoughened panes protect from injuries
- Can be perfectly combined with all other Internorm window systems

I-tec Glazing

PROPERTIES

Thermal insulation	U_w as low as 0.73 W/(m²K)
Thermal insulation	up to 40 dB
Security	RC1N, RC2

Internorm

HX 300

PANORAMA

OPEN. BRIGHT. FREE.

Large-scale glazings which can be completely integrated into the brickwork, create unlimited freedom for your home. They bring light to the inside and at the same time offer full view to the outside. Innovative solutions such as glass joints where the transition between the glass panes is virtually invisible, offer many possibilities in the modern, large-scale glass architecture. You can set optical highlights with integrated windows in the style of your house.

Enjoy far-reaching views

- Frameless glass architecture
- Open bright living environment
- Create unlimited freedom

Frameless appearance and technologically optimized construction connection

PROPERTIES

Thermal insulation	U_w as low as 0.74 W/(m²K)
Thermal insulation	up to 47 dB

I-tec Glazing

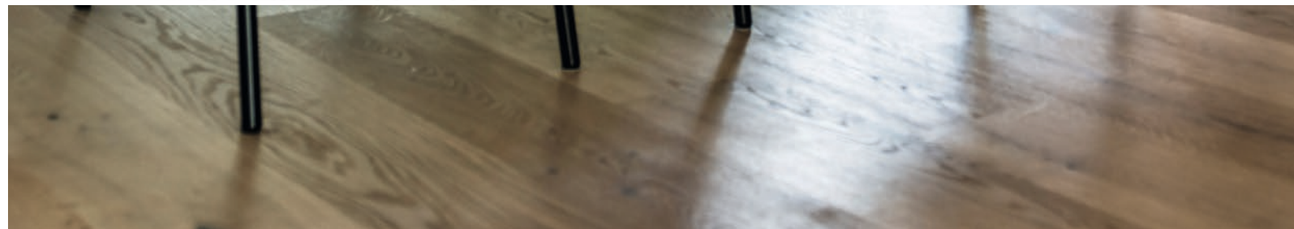
INDIVIDUAL

INTERNORM'S DESIGN POSSIBILITIES.

The design of your house is as individual as you are. Let your taste decide on straight-lined, modern, classical or traditional design styles and allow your home to be as individual as you are. By choosing Internorm you can be sure to get the perfect windows for your house style. With almost unlimited design possibilities will we gladly fulfill your exact requirements.

Internorm windows can support the design of your home with a wide range of design styles including:

- Attractive handles in aluminium, chrome and brass
- A multitude of glazing from Satinato to Linea
- Security glazing as well as highly thermally insulating glazing
- Numerous colours for UPVC, timber and aluminium surfaces
- Sun and insect protection systems



PERFECT COMBINATIONS

TRUE TO STYLE. INDEPENDENT OF MATERIALS. MATCHING.

The demands on design, energy effciency and comfort of the windows increase with individual architecture. Function and design are no contradiction with Internorm. UPVC/aluminium and timber/aluminium systems can be perfectly combined.

Outside same design – choose between UPVC or timber for the inside
If you would rather have a UPVC/aluminium window in the bathroom because of the high humidity, but would not like to miss the timber/aluminium window in the living room, then you can combine these two materials without any problems with Internorm. The design of your window and therefore the exterior design of your house always remains the same. Inside of each room you have the possibility to create your window according to your requirements – either in UPVC or in timber.

Uniform appearance for architecture true to its style No matter in which design style you create your house – if avant-garde, modern, elegant, playful or timeless – Internorm is offering you perfect combinability for each of these styles in the materials UPVC and timber.

Can also be combined with lift-sliding doors
You do not have to miss large-scale glazing and more light in your rooms. We are offering you lift-sliding doors in the materials UPVC/aluminium and timber/aluminium, matching the window style.

OUTSIDE - THE SAME

Aluminium

The aluminium clad on the outside adapts to the design style of your house.

INSIDE - YOUR CHOICE

UPVC

UPVC ist long-lasting, extremely easy to care for and also perfectly suitable for rooms with high humidity such as e.g. the bathroom.

Timber

Timber conveys warmth, is cozy, provides a pleasant athmosphere and is therefore perfectly suitable for living rooms and bedrooms..

SAFE WITH SECURITY

RELIABLE. EFFECTIVE. PATENTED.

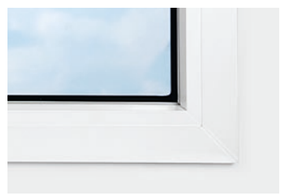
Optimum security protection and maximum security for children are main requirements to be able to feel at ease within your own four walls. A considerable contribution to this feeling of comfort comes from the windows. You can protect your family effectively with Internorm‘s sophisticated technologies und make it difficult for intruders to gain access to your house.

Security locking elements
All Internorm window systems are equipped with standard security. Solid, attractive, yet discreet designer locking elements in silver together with the hexagonal mushroom shaped closing bolt in the window frame lock the window (except KF 520).

I-tec Secure/KF 520
Internorm‘s revolutionary locking technology guarantees maximum protection. When locking the window, flaps open and press on to all sides directly inside the frame. The window cannot be levered any longer.

Security handle
The Secustik handle with safe screening offers highest security. The patented locking mechanism protects absolutely secure against moving the lock from the outside (standard with UPVC and UPVC/aluminium window KF 520).

Lockable handles
Lockable handles offer optimum security for children and perfect burglary protection in one. The window is locked via key and cannot be opened, neither from the outside, nor from the inside.



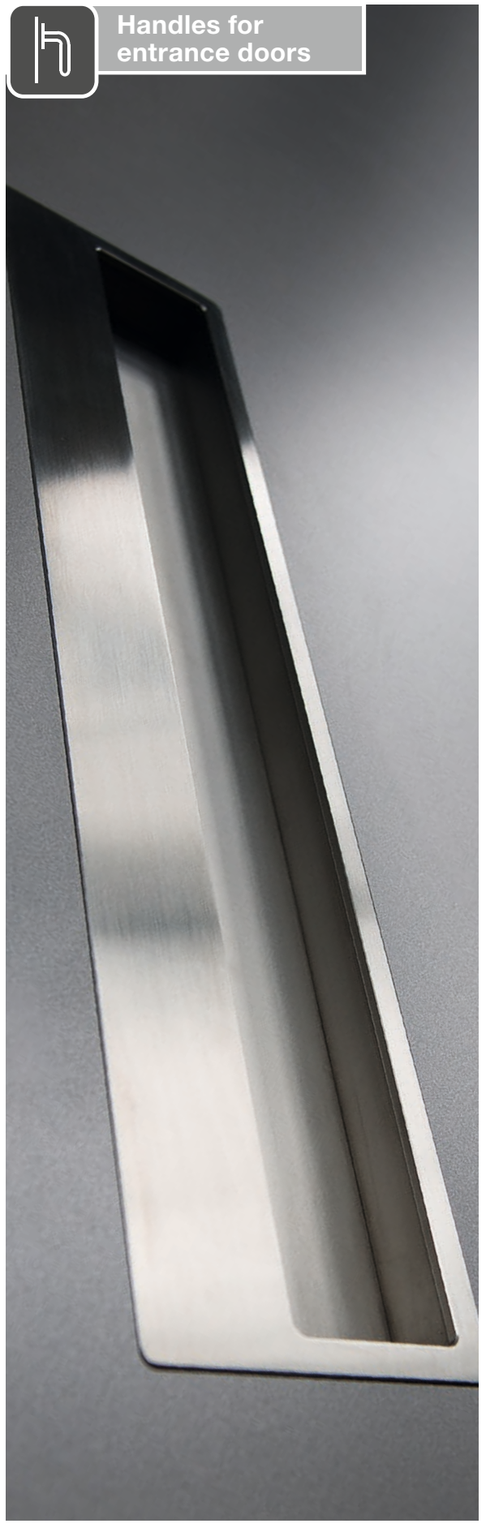
Concealed hardware
Concealed hardware ensures that windows cannot be levered out of their hinges and serves for discreet appearance and easy cleaning.

I-tec glazing
Thanks to Internorm‘s patented glazing technology, the glass pane cannot be pushed out. The glass pane is glued all around into the window frame and therefore stays securely and tightly. Almost all Internorm window systems are equipped with this I-tec innovation as standard.

Electronic sensor
Locking sensors report reliably and inconspicuously via the I-tec SmartWindow App if and which windows or window doors are open, tilted or locked. The sensor can also be wired upon request and can then be combined with any customary alarm systems.

Laminated glass
Contrary to conventional window glass which splinters when broken, laminated glass does not break apart. Tear-resistant foils keep the panes together, the glass stays in the window frame and danger of injury is averted.

Handles for entrance doors



KGS01
Square 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

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

EGS06
Handle bar
80x1130
Stainless steel

MGSE6
Handle strap
40x600

MGSE8
Handle strap
40x800

MGSE10
Handle strap
40x1000

Stainless steel

SG16
Recessed handle
430x100
Stainless steel

SG17
Recessed handle,
110x500
stainless steel, black
AT310, AT400, AT410
HT400, HT410

Available with LED lighting

HS10
Push handle
93x400
Stainless steel

HS32
Push handle
118x477
Stainless steel

BS42
Push handle
68x340
Stainless steel

PD12
Brushed aluminium

GD10
Stainless steel

GD20
Stainless steel

VD16
Chrome matt

Please note that not every handle is available for every door series. More choice and information is available from your Internorm distribution partner.

Handles for windows

Handle G80
p/no. 36435

Handle G80
p/no. 36404
p/no. 36505
(only for KF 310/KV 350)

Handle G80
p/no. 36400

Secustik®-Handle G80
p/no. 36431
(only for KF 500)

NEW: Secustik® handle G80 black matt
p/no. 36123

Handle Dallas
p/no. 36426

Standard handle aluminium natural
p/no. 33899
p/no. 36504
(only for KF 310/KV 350)

Designer handle steel
p/no. 34615

Designer handle white
p/no. 33896

Handle with push button
p/no. 33885

Designer handle Bruxelles chrome satined
p/no. 34592

Handle Amsterdam aluminium natural
p/no. 36416

Designer handle Athinai chrome/ stainless steel matt
p/no. 34596

Designer handle Athinai brass matt/ aluminium steel
p/no. 34594

Designer handle Bruxelles brass polished/ chrome
p/no. 34590

Designer handle brass polished
p/no. 34597

Handle lockable brass
p/no. 33886

Designer handle Athinai brass polished
p/no. 34595

Designer handle Bruxelles brass polished
p/no. 34591

Designer handle Atlanta brass polished
p/no. 34750

Handle G80 (F1)
p/no. 36475

Handle G80 (F9714m/black matt)
p/no. 36133

Handle Dallas
p/no. 36412

Handle Softline
p/no. 32447

GLASSES

Satinato white

Satinato green
(only for Doors)

Satinato blue
(only for Doors)

Chinchilla

Linea

UADI

Kathedral hammered

Altdeutsch K

Reflo

Masterpoint

Wire glass

Mastercarré

Ornament 504

There is a comprehensive selection of glasses available matching the respective window and door series in the different design styles.

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

Please note that not every glass is available for every door series. Due to printing and manufacturing technology colour and structure deviations between illustrations in this brochure and original products may occur.

Your **Internorm [1st] window partner / distribution partner** will gladly show you original colour samples.

EXTERNAL SIDE OF WINDOWS AND DOORS

SD COLOURS (ONLY FOR DOORS)

SD04 High gloss black
SD03 Art-
SD05 Art-Corten*
SD06 Art-Steel*
SD07 Art-Stone*

*Available on technical request.

UPVC

UPVC White

Please note that not every colour is available for every window and door. Due to printing and manufacturing technology colour deviations between illustrations in this brochure and original products may occur.
Your **Internorm [1st] window partner / distribution partner** will gladly show you original colour samples.

ALUMINIUM ATTACHMENT CLAD

STANDARD COLOURS*

M916
HM704
HM722
HM113
HM907
HM716
HM735
HM803
RAL9005
HM906
HM817
RAL7032
HM721

hirest-COLOURS***

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

HDS COLOURS**

HDS01
HDS05
HDS02
HDS06
HDS03
HDS07
HDS04
HDS08

TIMBER DECOR COLOURS****

HDH17 Light Grey
HDH12 Middle Brown
HDH14 Light Brown
HDH13 Dark Brown

METALLIC DECOR COLOURS

DM01 Dark Green
DM02 Grey
DM03 Dark Grey

STAINLESS STEEL COLOURS

EL01 Stainless steel look matt
EL02 Stainless steel look gloss

SPECIAL COLOURS

A variety of design possibilities are offered by the Internorm RAL colour range (facade quality). These are the colours available for aluminium attachment clads outside and timber inside.

* **Highly weather-resistant,** except M916 (facade quality).
** Intensive colour appearance, however colour tolerances possible.
*** A special highly weather-resistant powder coating is used 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).
**** **HDH colours** have a vibrant timber appearance being hand-finished with structure coating, however colour tolerances are possible.

Internorm

INTERNAL VIEW OF WINDOW

UPVC

UPVC White

DECOR FOILS

Brilliant White** | Golden Oak** | Cream White*** | Dark Grey*

* Available for KF 500, KF 410 and KV 440 in studio and home pure as well as KF 310 and KV 350 in all available design styles
** Available for KF 410, KF 200 and KV 440 in home soft and ambiente as well as KF 310 and KV 350 in all available design styles
*** Only for KS 430, KF 310 and KV 350

TIMBER

STANDARD COLOUR SPRUCE, VARNISHED

FI500 | FI501 | FI502 | FI503 | FI505 | FI506 | FI507

FI508 | FI509 | FI510

STANDARD COLOUR SPRUCE, OPAQUE

FI916

STANDARD COLOUR LARCH, VARNISHED

not available for HF 310

LA600 | LA604 oild

COLOURS HF 410 – additionally available to timber standard colours

EI701 | EI700 | EI706 oiled | EI707 oiled | NU400 | ES800

NEW: Even timber types not usually used in window construction can be used for timber/aluminium window HF 410 as well as timber/aluminium lift-sliding door HS 330.

ECLAZ® THE PREMIUM GLASS COATING

NOW IN EVERY INTERNORM WINDOW

NEW: Up to 10 % more daylight with premium glass coating ECLAZ®
Internorm offers premium glass coating ECLAZ® as standard so more natural light for the interior of your living areas. Blue contents of the light spectrum are carried through the glass ensuring up to 10 % more daylight.

Compared to normal market glass, ECLAZ® offers:

- **More attractive** – lower, outer reflection as well as a colour-neutral outside view, a combination of function and aesthetics Increased light – up to 10 % more daylight – better for health and well-being – a crucial advantage especially in the dark winter months
- **Visual comfort** – extremely translucent even as triple insulating glass, for a light atmosphere on the inside and a brilliant view to the outside
- **Visual comfort** – extremely translucent even as triple insulating glass, for a light atmosphere on the inside and a brilliant view to the outside
- **Spatial comfort** – makes living areas even lighter and friendlier, uses the natural energy of the sun
- **Energy efficiency** – insulates the interior excellently and thus reduces heating costs – increased energy efficiency in the building – up to 11 % less CO_2 emission

Internorm

SUN AND INSECT PROTECTION

COMBINABLE. INTEGRATED. MANY VARIATIONS.

The sun and insect protection systems complement the windows to a functional unit and support the design of the house facade. Combine your sun protection products with I-tec SmartWindow and enjoy the comfort of automatic functions as well as the convenient control via Smartphone or tablet.

Windows with integrated blinds: Integrated sun and privacy protection between the panes – choose between blinds, Venetian blinds or Duette® blinds, upon request with energy self-sufficient shading (I-tec shading).

Venetian blinds: Optimum control and guidance of light and warmth through adjustable slats, upon request with day light guidance RETROLux. Can be combined with insect protection.

Attachment Venetian blinds: Optimum control and guidance of light and warmth through adjustable slats. Can be combined with insect protection.

Exposed and mini exposed roller shutters: Delivered separately or completely ftted on to the window. Can be combined with insect protection.

Insect protection: Fixed, turn, sliding or pull-down flyscreen. Can be combined with sun protection.

Window shutters: Made of aluminium, with many design possibilities. Can be combined with insect protection.

OPTIMA

Venetian blind

Exposed roller shutter

Mini exposed roller shutter

Window with integrated blind

Inside blind

Pull-down flyscreen

Turn or fixed frame

Sliding frame

OPTIMA-Window shutter

Internorm

SIDE ENTRANCE DOORS

Side entrance doors serve to close off unused, unheated rooms (e.g. garage, basement storage rooms etc.).
Current statistics show that intruders predominantly gain access to a house via side entrances. It is therefore all the more important to consider relevant security features – Internorm offers different security systems upon request.

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

TIMBER/ALUMINIUM

HF 410

HF 310

ALUMINIUM

AT 150

ALUMINIUM

AT 150

UPVC

KF 320

KF 310

Dobratsch summit house 2,143 m, Transform Architekten ZT-GmbH, Architekt DI Günter Weratschnig

THERMAL INSULATION

ENERGY EFFICIENT. WELCOMING. WARM.

Highly thermally insulating window systems ensure comfort and warmth within your own four walls. In connection with a special coating for using solar radiation they virtually becomes free additional heating.

As a building can lose approximately 25 to 30 % of its energy through the windows, the thermal insulation of the windows is especially important. Through careful planning, correct positioning of the window areas (large window areas south-facing) can positively influence the energy balance of the building. The thermal insulation of the window depends on the frame material, the insulating glass and the tightness of the window. The **parameter for the insulating capability** of the window is the **U value. The lower the value, the better the thermal insulation.** Additional features such as roller shutters and window shutters can improve the U value.

SOUND REDUCTION

CALM. COMFORTABLE. QUIET.

Interference of noise is unpleasant and can, given the right intensity and duration, affect the human body in a negative way. Noise is perceived through the human ear and passed on to the brain.

Sound reduction of a window is measured in decibels. The higher the value, the better the sound reduction. Sound reduction states how much sound energy from the original sound energy is allowed to pass through. At an insulation of 10 dB 1/10 of the original sound energy passes through, at 20 dB 1/100, at 30 dB 1/1000 etc. Humans perceive a reduction of 10 dB as halving the noise. Sound reduction of a window is dependent on frame material, insulating glass, tightness of the window and the construction
connection.

WARRANTIES

WE GUARANTEE YOU MANY YEARS OF PLEASURE WITH YOUR INTERNORM WINDOWS.

As Europe‘s leading and largest active international window brand, Internorm looks back on 89 years of experience in trendsetting window and door solutions of exceptional reliability and longevity. This, we can guarantee you.

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 change.
- 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 profles made of aluminium.
- The function of the window or door fitting is guaranteed, provided that the Internorm installation and maintenance guidelines have been adhered to.

WARRANTIES/EXCERPT:
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 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 [1st] window partner / distribution partner.

NATIONAL AND INTERNATIONAL CERTIFICATIONS CONFIRM THE HIGH QUALITY OF OUR PRODUCTS.

Our know-how gives you the security that you receive best service for your money. The most modern production facilities and strictest quality controls ensure quality which is setting standards all over Europe. Awards of independent test institutes from all over Europe are confirming this.

Austrian State Emblem

Austrian Quality Label

CE Certification

TÜV

Institute for Window Technology Rosenheim

Plus X Award

RAL Quality Seals

Federal Ministry for Traffic, Innovation and Technology

Technical University Graz

Minergie® Certificate

Austrian Society for Environment Simulation

Certificate for Sustainable Forest Management

KlimaHaus Certificate

Energy Globe
(Projekt Schiestlhaus)

Climate Association Town Traun

VinylPlus Certificate

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