



WINDOWS

Highlights of Architecture
2018/19

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3RD GENERATION (f.l.t.r)
Mag. Christian Klinger
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 87 years having developed from a one-man blacksmith's shop to the largest internationally active window brand.

During this time we have manufactured over 24 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 1800 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

Design Styles

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.

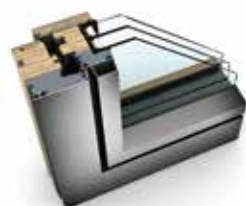
You can fulfill your personal idea of living with Internorm windows and doors. Internorm is offering you a suitable solution.

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](#).

TIMBER AND TIMBER/ALUMINIUM WINDOWS



HF 310



HF 410



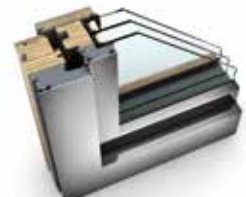
HV 350



HF 210



HF 310



HF 410



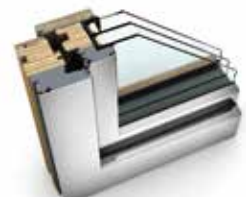
HV 350



HF 210



HF 310



HF 410



HV 350



HF 210



HF 310



HF 410



HV 350

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

UPVC WINDOWS



KF 220



KF 500



KF 410



KF 310



KF 410



KF 310



KF 410

UPVC/ALUMINIUM WINDOWS



KF 220



KF 410



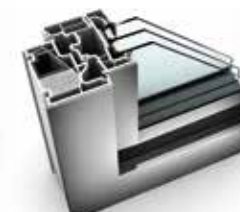
KF 500



KV 440



KF 310



KF 410



KF 500



KV 350



KV 440



KF 310



KF 410



KV 440



KF 310



KF 410



KV 350



KV 440



studio



home pure



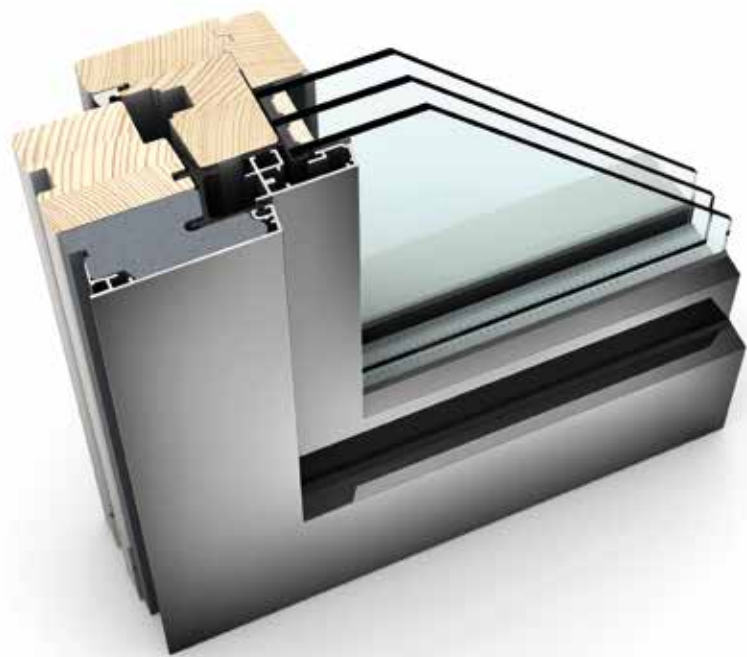
home soft








ambiente



HF 210 TIMBER/ALUMINIUM WINDOW



PROPERTIES

 Thermal insulation	U _w as low as 0.67 W/(m²K)
 Sound reduction	up to 46 dB
 Security	RC2
 Locking	concealed
 Construction depth	85 mm
Design style	home pure home soft ambiente






I-tec Glazing

home pure

HF 310 TIMBER/ALUMINIUM WINDOW

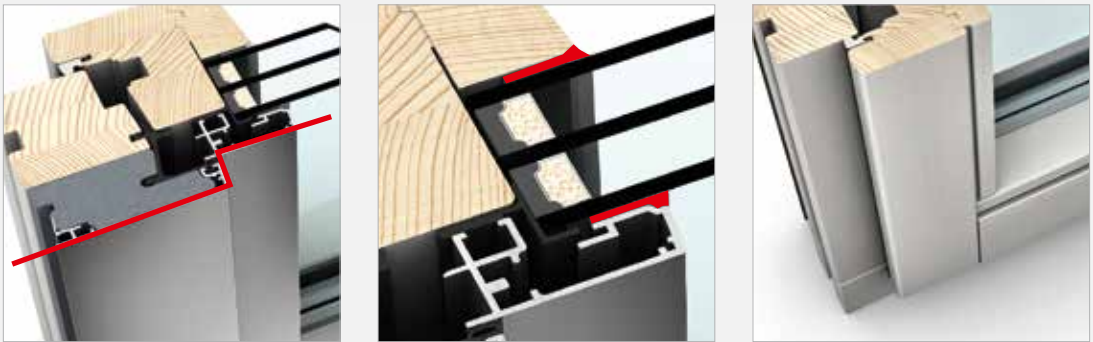


PROPERTIES

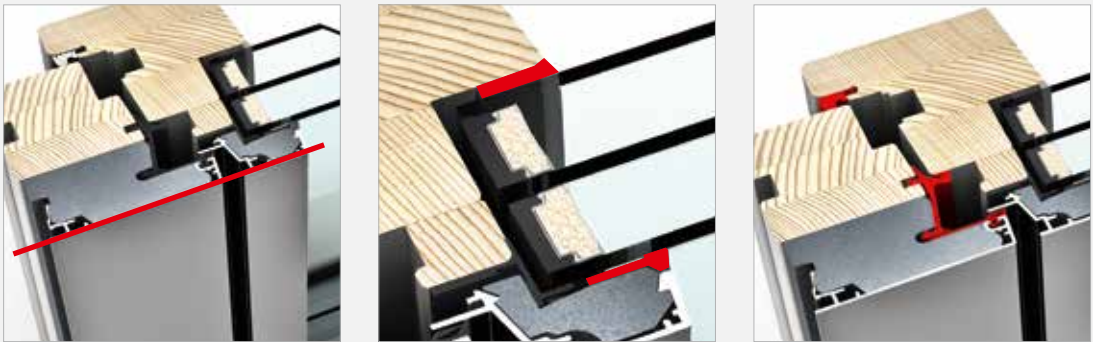
 Thermal insulation	U _w as low as 0.62 W/(m²K)
 Sound reduction	up to 46 dB
 Security	RC2
 Locking	concealed
 Construction depth	85 mm
Design style	studio home pure home soft ambiente

I-tec Glazing

studio



HF 210
Timber, aluminium combination eliminates the need for exterior maintenance, due to the aluminium attachment clad which protects the timber from weather conditions. The square-edged aluminium profiles of frames and windows can be designed in many colours and facilitate countless design possibilities of the exterior facade. I-tec glazing, the continual all around bonding of the glass pane, offers excellent stability, security protection as well as thermal insulation and sound reduction. Concealed hardware on the inside of HF 210 ensures a continuous, comfortable timber surface.








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

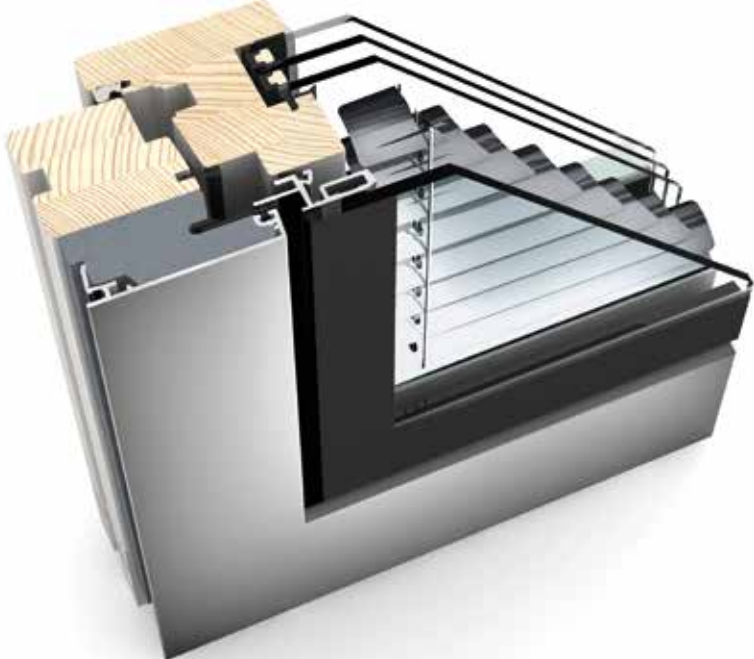
I-tec Glazing

I-tec Core






studio

HV 350

TIMBER/ALUMINIUM WINDOW WITH INTEGRATED BLIND



PROPERTIES

 Thermal insulation	U _w as low as 0.60 W/(m²K)
 Sound reduction	up to 47 dB
 Security	RC2
 Locking	concealed
 Construction depth	85 mm
Design style	studio home pure home soft ambiente

I-tec Glazing

I-tec Shading

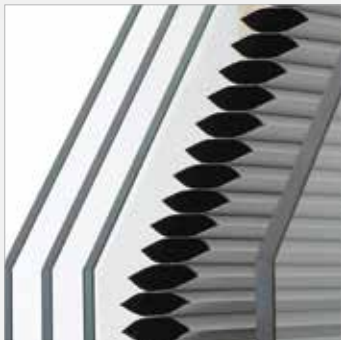


studio



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.



HV 350

The sun and privacy protection integrates harmoniously into this flush window and offers quadruple protection all in one window with excellent thermal insulation and sound reduction values. Blinds, Venetian blinds or Duette® blinds are situated between the panes and therefore protected from dust. The energy self-sufficient I-tec shading does not require any external power source due to the photovoltaic module and batteries. Integrated automatic functions such as day/night recognition and intelligent heat protection can be activated simply via your tablet or Smartphone, I-tec Smart Window is also available.

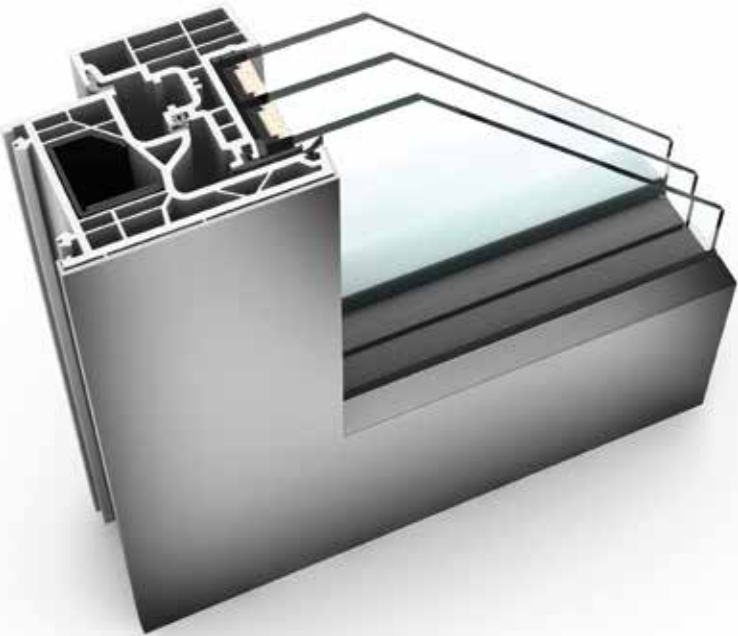


RIBA HOUSE OF THE YEAR

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KF 220 UPVC & UPVC/ALUMINIUM WINDOW



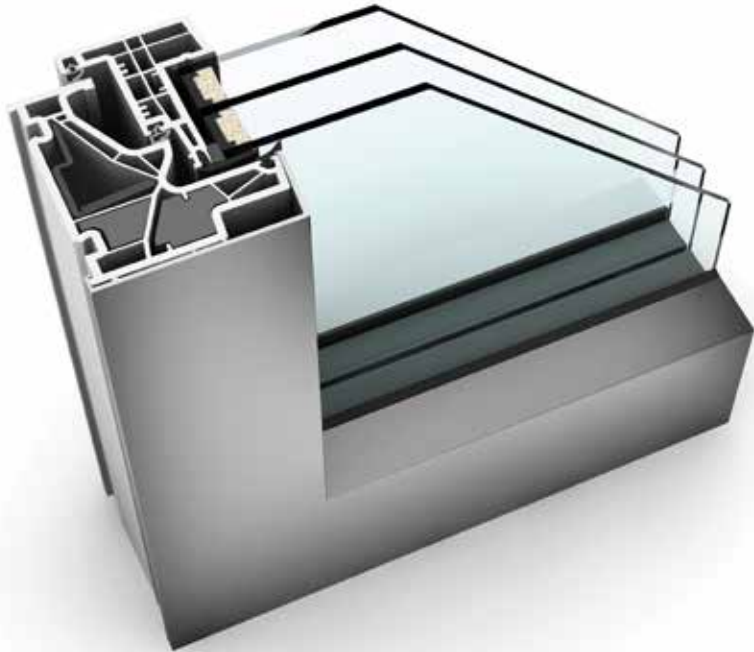
studio

PROPERTIES

 Thermal insulation	U _w as low as 0.67 W/(m²K)
 Sound reduction	up to 43 dB
 Security	RC1N, RC2
 Locking	concealed
 Construction depth	68/71 mm
Design style	studio






I-tec Glazing

KF 500 UPVC & UPVC/ALUMINIUM WINDOW



studio

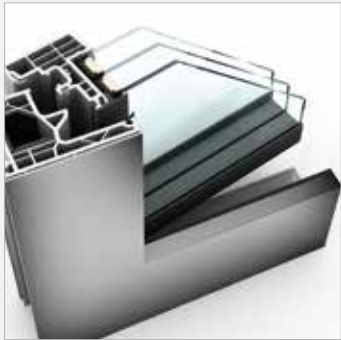
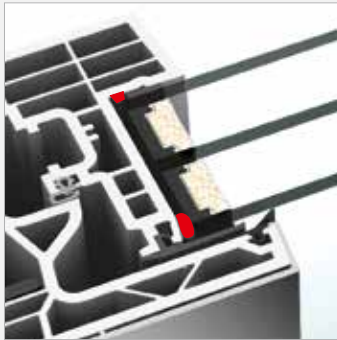
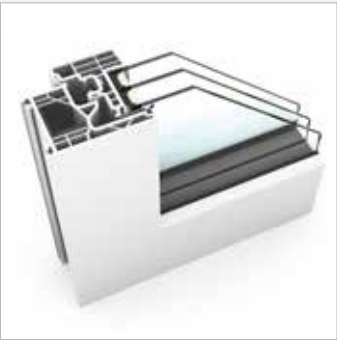
PROPERTIES

 Thermal insulation	U _w as low as 0.61 W/(m²K)
 Sound reduction	up to 46 dB
 Security	RC2
 Locking	fully integrated
 Construction depth	93 mm
Design style	studio home pure

I-tec Glazing

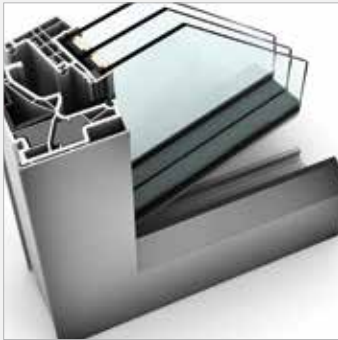
I-tec Locking

I-tec Ventilation



KF 220

The innovative glass sash of the KF 220 gives the impression of fixed glazing, nevertheless it is an openable window. Whether in the classic white UPVC version or with aluminium attachment clad, the narrow, square-edged window frame underlines the reduced architecture of the design style studio. Three-sided rendering of the frame fulfills your dreams of almost frameless glass architecture. I-tec glazing ensures excellent stability, thermal insulation and security by all round bonding of the glass pane.








KF 500

KF 500 combines innovative design and technical know-how. The window sash is not visible from the outside due to its glass appearance and cannot be distinguished optically from fixed glazing. This sash also conceals the revolutionary I-tec locking which renders levering of the window impossible, unrivalled in the branch. Integrated coverings push on to the frame interior on all sides when locking and therefore offer maximum security protection. KF 500 can additionally be equipped with I-tec ventilation, a ventilation system integrated into the window frame.

KF 410 UPVC & UPVC/ALUMINIUM WINDOW



studio

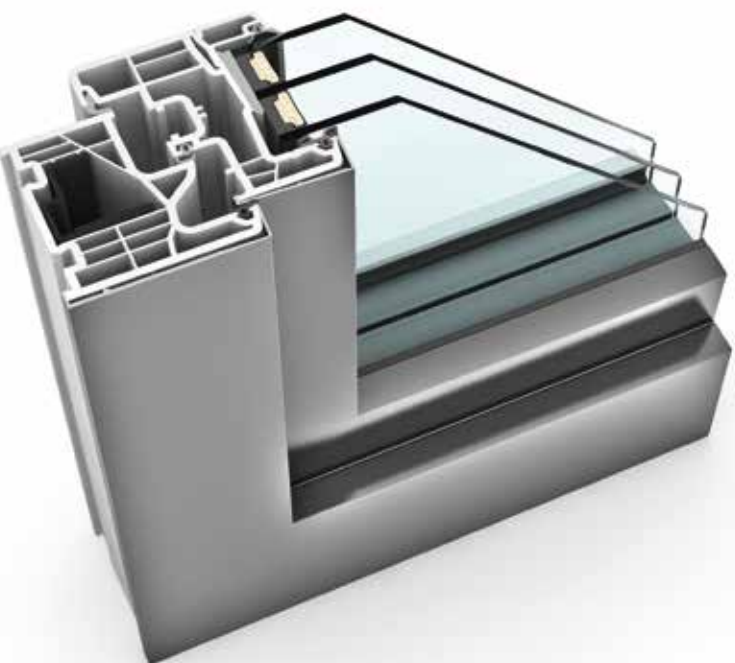
PROPERTIES		
	Thermal insulation	U _w as low as 0.62 W/(m²K)
	Sound reduction	up to 45 dB
	Security	RC1N, RC2
	Locking	concealed
	Construction depth	93 mm
	Design style	studio home pure home soft ambiente

I-tec Glazing






I-tec Ventilation

I-tec Insulation

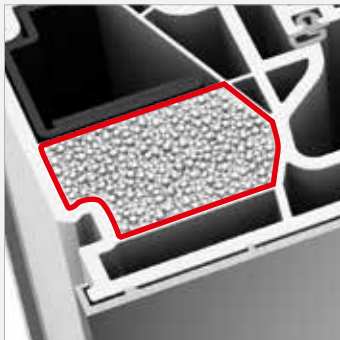
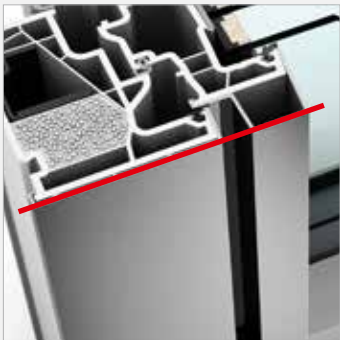
KF 310 UPVC/ALUMINIUM WINDOW



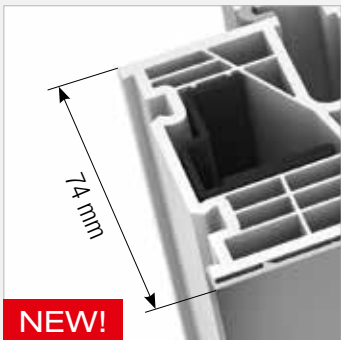
home pure

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	74 mm
	Design style	home pure home soft ambiente

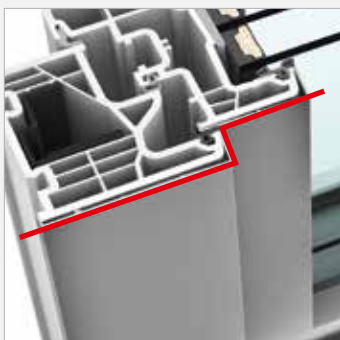
I-tec Glazing



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.



NEW!








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.

KV 350 UPVC/ALUMINIUM WINDOW WITH INTEGRATED BLIND



home pure






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

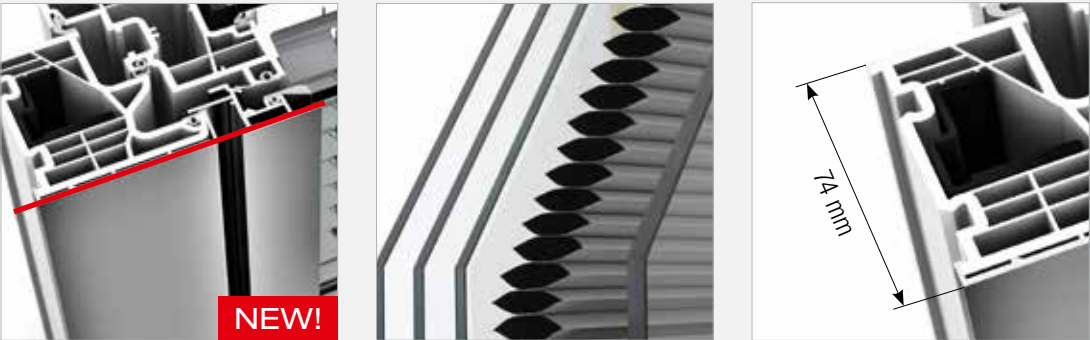
KV 440 UPVC/ALUMINIUM WINDOW WITH INTEGRATED BLIND



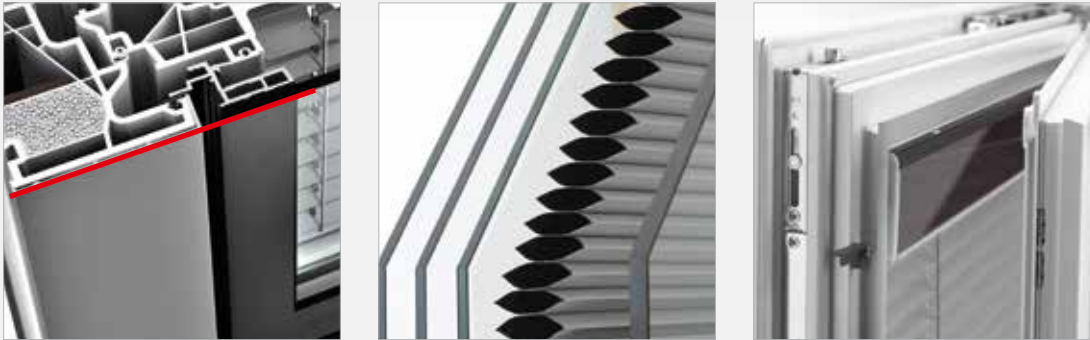
studio

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		studio home pure home soft ambiente

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



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
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.



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AT 410 ALUMINIUM 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



FO

Colour: HFM05
Handle: RGS01
Order no.: 18-003



FG

Colour: HM716
Handle: MGSE10
Designer elements: Heavy duty joiners
Order no.: 18-084



DD

Colour: HM716
Handle: TEG15
Glass: Satinato white
Designer elements: Heavy duty joiners
Order no.: 18-020



FK

Colour: Frame HM716,
sash SD03 Art-Beton
Handle: SG13
Glass: Satinato white
Designer elements: Heavy duty joiners
Order no.: 18-007



PN

Colour: Frame HM907,
sash HM907, M916
Handle: EGS06
Glass: Satinato white
Alunox glass surround
Order no.: 18-021

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

AT 400 ALUMINIUM ENTRANCE DOOR




PURISTIC – CREATES CLEAR LINES

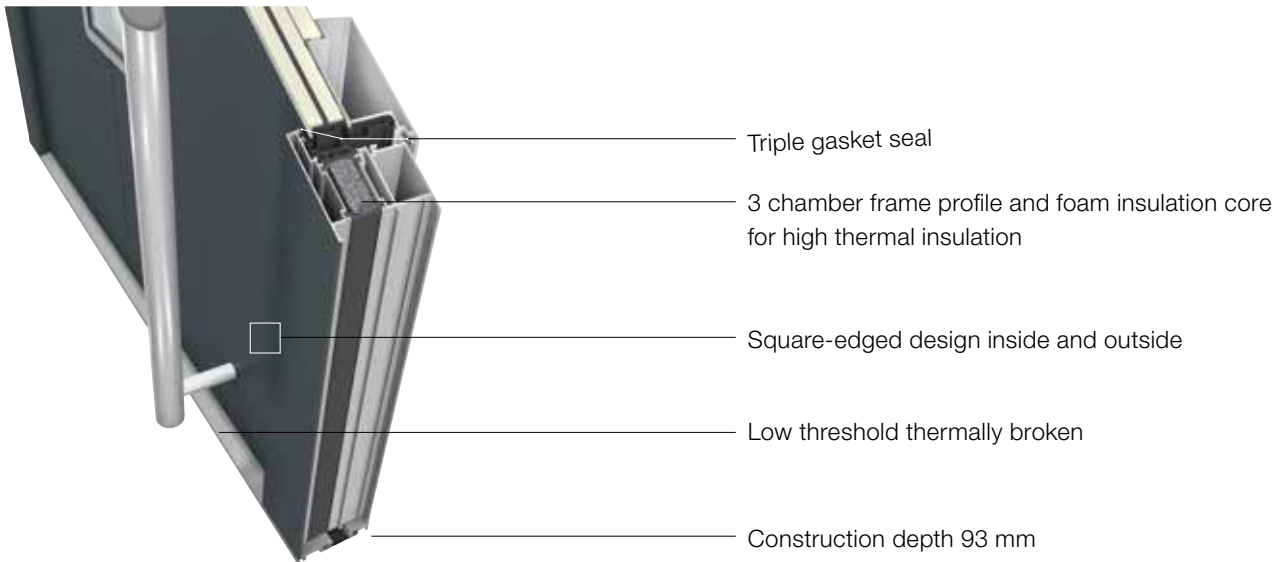
The smooth door leaf and the square-edged frame creates clear lines which are further emphasized through straight-lined designer elements or glass cut-outs, bar handles as well as raised or flat heavy duty joiners.

SQUARE-EDGED PROFILE



PROPERTIES

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



FM
Colour: Frame HM704, sash HM704, M916
Handle: KGS03
Order no.: 18-008



FK
Colour: HM716
Handle: SG13
Designer elements: Heavy duty joiners
Order no.: 18-005



PE
Colour: HFM03
Handle: EGS01
Glass: Satinato white
Order no.: 18-010



DM
Colour: Frame HFM12, sash HFM12, M916
Handle: MGSE6
Glass: Satinato white
Order no.: 18-026



PK
Colour: M916
Handle: RGS03
Glass: Satinato white
Order no.: 18-034



FA
Colour: Frame HM716, sash SD06 Art-Steel
Handle: KGS03
Order no.: Available on technical request

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AT 310 ALUMINIUM ENTRANCE DOOR

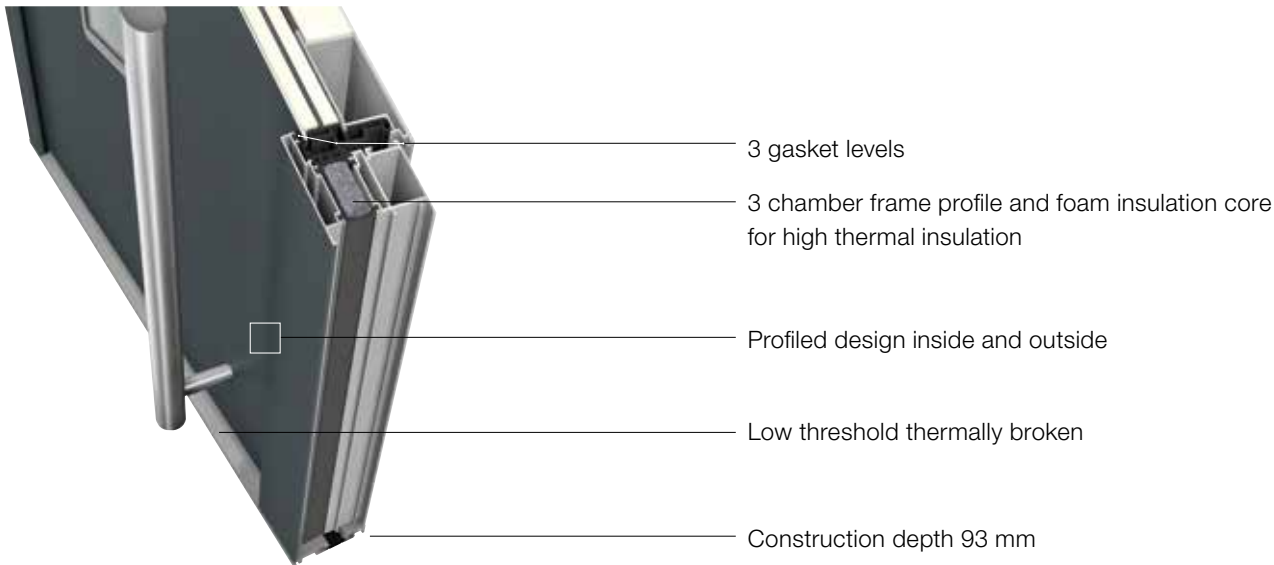
STRAIGHT-LINED – STUNNING DESIGN FEATURES

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



PROPERTIES		
	Thermal insulation	U _D as low as 0.81 W/(m²K)
	Sound reduction	up to 33 dB
	Security	up to RC2
Design style		<div><div>home pure</div><div>home soft</div><div>ambiente</div></div>



SA
Colour: HFM05
Handle: HS30
Glass: MDNL
Order no.: 18-037



SJ
Colour: HFM22
Handle: MGSE6
Glass: Satinato white
Order no.: 18-038



DP
Colour: RAL5010
Handle: MGSE6
Glass: Satinato white
Alunox glass surround
Order no.: 18-029



FK
Colour: HM716
Handle: SG13
Designer elements: Heavy duty joiners
Order no.: 18-005



PM
Colour: HF113
Handle: HS10
Glass: Satinato white
Order no.: 18-033



PK
Colour: M916
Handle: RGS03
Glass: Satinato white
Order no.: 18-034

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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		<div>home pure</div> <div>home soft</div> <div>ambiente</div>



- 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.: 18-030



PG

Colour: HFM11
Handle: RGS02
Glass: Satinato white
Order no.: 18-032



GD

Colour: HFM05
Handle: KGS04
Glass: Satinato white
Order no.: 18-012



DA

Colour: HDS08
Handle: HS40
Glass: Satinato white
Order no.: 18-016



GA

Colour: Frame HM716
Handle: HS42
Glass: Satinato white
Order no.: 18-015

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

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 _b as low as 1.2 W/(m²K)
	Sound reduction	up to 40 dB
	Security	up to RC2
Design style		<div><div>home pure</div><div>home soft</div><div>ambiente</div></div>



- 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.: 18-053



EC-A3B

Colour: HM907
Handle: EGS05
Glass: MR3
Alunox glass surround
Order no.: 18-054



RA-A1B

Colour: DM01
Handle: CS100
Glass: D72
Order no.: 18-055



VA-K2B

Colour: HM704
Handle: TEG14
Glass: Satinato white
Order no.: 18-056



LU-B3B

Colour: Frame HM716, sash HM716, M916
Handle: GD10
Glass: Satinato white
Order no.: 18-065



SE-R0B

Colour: HFM02
Handle: TEG10
Glass: Linea
Order no.: 18-049

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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 _b as low as 0.58 W/(m²K)
	Sound reduction	up to 37 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.: 18-004



FD

Colour: Frame HM716, sash HM716, HM907
Handle: RGS05
Order no.: 18-009



GD

Colour: HFM05
Handle: KGS04
Glass: Satinato white
Order no.: 18-012



DG

Colour: M916
Handle: SG17
Glass: Satinato white
Alunox glass surround
Order no.: 18-013

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

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 _b as low as 0.73 W/(m²K)
	Sound reduction	up to 33 dB
	Security	up to RC2
Design style		<div>home pure</div> <div>home soft</div> <div>ambiente</div>



Wide thermal foam insulation for very high thermal insulation

Square-edged design inside and outside

Construction depth 85 mm



FL

Farbe: Rahmen HM716, Flügel HM716, HM735
Griff: SG13
BestellNr: 18-006



PE

Farbe: HFM03
Griff: EGS01
Glas: Satinato weiß
BestellNr: 18-010



GJ

Farbe: Rahmen HF735, Flügel HF735, HF716
Griff: MGSE10
Glas: Satinato weiß
BestellNr: 18-011



FK

Farbe: Rahmen HM716, Flügel SD03 Art-Beton
Glas: Satinato weiß
Griff: SG13
Zierteile: Lisenen
BestellNr: 18-007



FM

Farbe: Rahmen HM704, Flügel HM704, M916
Griff: KGS03
BestellNr: 18-008



DD

Farbe: HM716
Griff: TEG15
Glas: Satinato weiß
Zierteile: Lisenen
BestellNr: 18-020

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



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REVOLUTIONARY TECHNOLOGIES

I-tec Core



EXTREMELY STABLE
CORE



SLIM SIGHT LINES FOR
EXTRA LIGHT



HIGH LOAD-BEARING
CAPACITY



RESOURCE-SAVING
AND SUSTAINABLE



INDIVIDUAL COLOUR DIVERSITY
AND TIMBER VARIETY

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 Core**
- **I-tec Ventilation**
- **I-tec Locking**
- **I-tec Shading**
- **I-tec Glazing**
- **I-tec Insulation**
- **I-tec SmartWindow**



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

STABLE CORE

SOLID. RESOURCE-SAVING. SUSTAINABLE.

The strength of timber is unrivalled. Therefore, we have used this proven and natural material and developed a new revolutionary technology for the window industry to create an even more sustainable and individual window for you.

With the new I-tec Core we are processing thin, bonded timber layers, for the core of the timber/aluminium window HF 410. This timber is considerably more resitant to humidity, durable and extremely strong. This new high-tech material is sustainable and allows larger sizes through its particular load-bearing capacity. The narrow frame design shows more aesthetics to this window.

NEW!

High-quality layered timber composite encased in solid spruce and walnut. Especially resource-saving and available at an attractive price/performance ratio.





SHADING WITH SELF-SUFFICIENT ENERGY

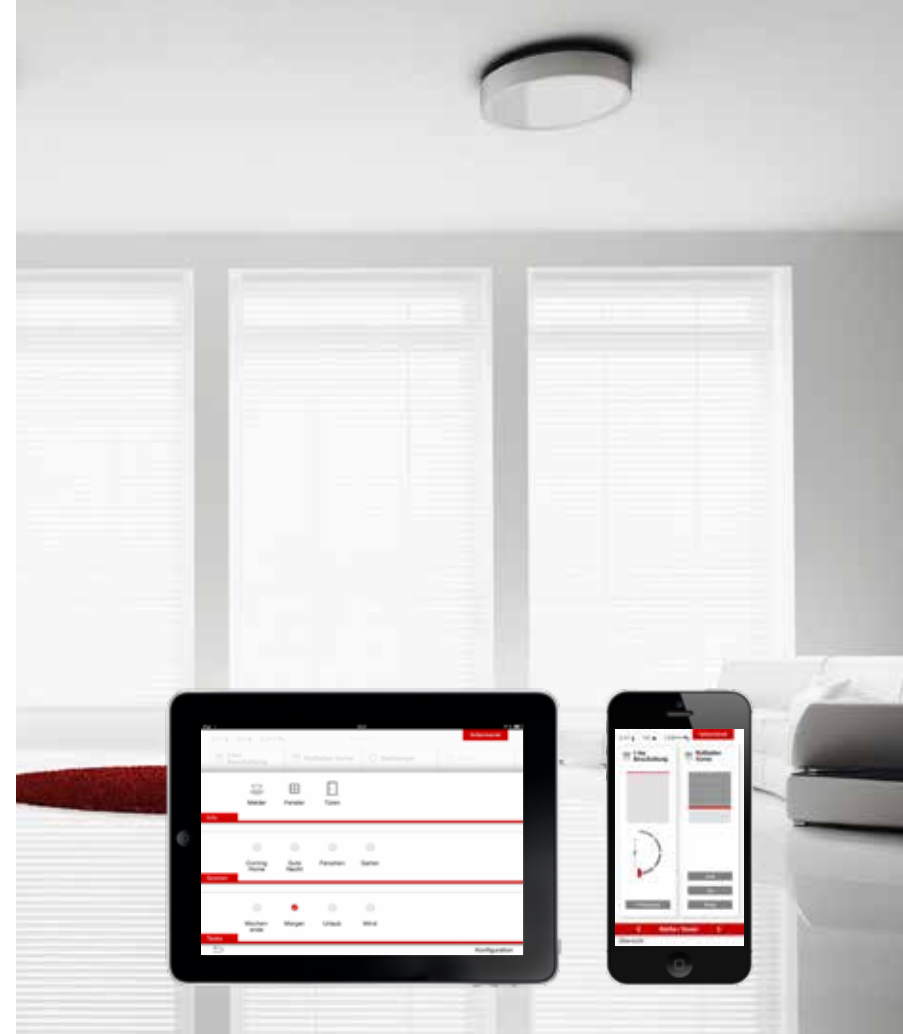
INTEGRATED. INDEPENDENT. AUTOMATIC.

All Internorm windows with integrated blinds can be powered by a self-sufficient photovoltaic module. I-tec shading works without an external power source and the decorative feel of the window is fully retained.

The intelligent automatic mode with day/night recognition allows automatic opening and closing of the blinds at sunrise and sunset. Measuring solar radiation and temperature prevents overheating of the rooms. In winter the automatic control keeps the blinds open and enables maximizing of solar gains and therefore a reduction in heating costs.

I-tec Shading

-  INTEGRATED SUN AND PRIVACY PROTECTION
-  AUTOMATIC HEAT PROTECTION IN SUMMER
-  AUTOMATIC DAY/NIGHT RECOGNITION
-  NO EXTERNAL POWER SOURCE NECESSARY
-  MANUAL CONTROL AVAILABLE
-  USE OF ENERGY GAIN IN WINTER
-  SIMPLE AND CONVENIENT CONTROL VIA SMART WINDOW
-  CONTROL WITH LOXONE SMART HOME AVAILABLE



I-TEC SMARTWINDOW







INTELLIGENT. SIMPLE. CONVENIENT.

Internorm's intelligent building control I-tec SmartWindow makes it easy for you to operate your ventilation and shading simply and conveniently using a smartphone or tablet. No matter if you are at home or away, you can remotely control your I-tec ventilation, I-tec shading, sun protection and fanlight opener via the Internorm app or check the status of your windows via opening sensors.

You can download the I-tec SmartWindow app for free in the app store or in Google play with its associated installation instruction. A few taps with your finger on the user interface are enough to move blinds up or down, adjust the light guidance or regulate the air volume for the ventilator. Also fanlights can be easily opened, closed & tilted.

REVOLUTIONARY TECHNOLOGIES

I-tec SmartWindow

-  FREE APP WITH INSTRUCTIONS
-  EASILY EXTENDABLE
-  SIMPLE DEFINITION OF REQUIREMENTS
-  MANUAL CONTROL AVAILABLE
-  CONTROL VIA TASKS ALSO ON HOLIDAY
-  INDIVIDUAL SETTINGS

Free download of Internorm App I-tec SmartWindow:





AIRING OF THE FUTURE

INDIVIDUAL. AUTOMATIC. HEALTHY.

Thanks to Internorm you do not need to remember airing any longer. Because Internorm is offering you windows, where the ventilator is completely integrated into the frame. Even with closed windows this ensures fresh air 24/7 and optimum room climate.







Why is airing so important?

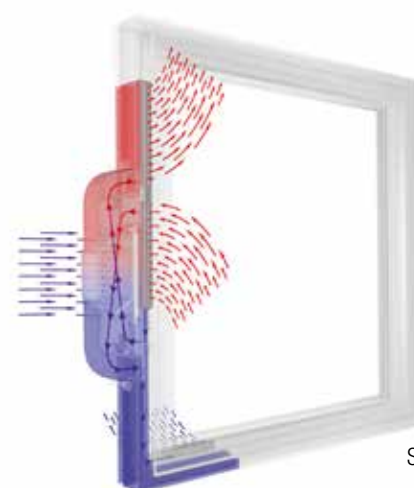
Fresh air is important for our health. It ensures wellbeing, good sleep, high concentration and high performance. With wrong airing humidity, CO₂ or other air impurities remain in the room and can cause considerable damage. The building structure can be damaged by mould and humidity, your health is compromised by mould, pollen and house dust, heat is also lost.

How do you air correctly?

You could use a decentral ventilation system. It ensures fresh air, which will be individual for each room.

I-tec Ventilation

-  FRESH AIR WITHOUT BIG HEAT LOSS
-  FRESH AIR WITHOUT OUTSIDE NOISE
-  FRESH AIR WITHOUT DUST
-  FRESH AIR AGAINST MOULD
-  FRESH AIR FOR HEALTHY LIVING
-  FRESH AIR WITH INCREASED SECURITY
-  FRESH AIR INDIVIDUALLY FOR EACH ROOM
-  FRESH AIR WITHOUT WORRIES: AUTOMATIC FUNCTION
-  FRESH AIR WITHOUT DRAUGHTS
-  SIMPLE AND CONVENIENT CONTROL VIA SMART WINDOW
-  CONTROL WITH LOXONE SMART HOME AVAILABLE



Symbolic picture



FEEL SAFE

NO COMPETITION. PRECISE. UNDERSTATED.








Instead of conventional locking cams, flaps ensure secure and precise locking of the window sash to the frame. When locking, flaps which are positioned in short distances on all four sides of the sash, press directly against the interior of the frame and make levering of the window virtually impossible.

Contrary to systems with locking cams which need regular adjusting, the I-tec locking needs no counter piece in the frame. The flaps always lock precisely and with total power.

I-tec locking is integrated as standard in the UPVC or UPVC/ aluminium window KF 500 and achieves security class RC2N. Contrary to conventional mushroom shaped locking pins, the function of KF 500 is not restricted in any way despite the high security class.

REVOLUTIONARY TECHNOLOGIES

I-tec Locking

-  LOW VIEWING HEIGHT FOR MORE LIGHT
-  FRAMELESS GLASS ARCHITECTURE
-  SASH WEIGHTS UP TO 130 KG
-  DISCREET DESIGN WITH CLEAR LINES
-  EASY-TO-CLEAN FRAME
-  NO VISIBLE KEEPS FOR AN ATTRACTIVE LOOKING APPEARANCE
-  SAME OUTSIDE APPEARANCE OF FIXED ELEMENT AND SASH



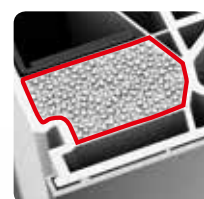


NEW INSULATING TECHNOLOGY

CONTINUOUS. EFFICIENT.

Internorm windows are reknown for best thermal insulation values. A significant factor for this is the HCFC-, HFC- and FC-free insulation which is inserted into the frame profiles.

The new I-tec insulation is inserted with pressure as granulate into the inside of the frame of the UPVC/ aluminium windows KF 410 and KV 440. This new insulation technology fills the chambers all around evenly and improves the thermal insulation considerably.



I-tec Insulation



I-tec Insulation



GRANULATE
INSTEAD OF FOAM



IMPROVED
THERMAL INSULATION



GAPLESS
CHAMBER FILLING



The welded sash frame is tensioned from corner to corner.



The glass pane is set into the frame and centred.



The remaining gap between glass and frame is filled with glue all around.



By fitting glazing beads or cover beads the glue joint is covered.

REVOLUTIONARY TECHNOLOGIES

I-tec Glazing



MAXIMUM BURGLARY
PROTECTION



INCREASED
STABILITY



INCREASED
THERMAL INSULATION



IMPROVED
SOUND INSULATION

INNOVATION ALL AROUND

CONTINUOUS. SECURE. STABLE.

Many window panes are only connected to the frame in very few positions. Internorm uses FIX-O-ROUND technology as standard for a continuous all around fixing.

The advantage of this technology lies in the continuous connection of the window frame with the glass pane. This improves stability, thermal insulation and sound reduction, security protection and functioning of the window for its entire lifespan.

Special bond ensures not only a tight connection from glass to frame, but also allows easy exchange of the glass pane.



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 we will 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



PANORAMA HX 300

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



KS 430 UPVC & UPVC/ALUMINIUM LIFT-SLIDING DOOR




The new UPVC or UPVC/aluminium lift-sliding door KS430 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 KS430 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 400kg 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
- Toughened 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/(m ² K)
	Thermal insulation	up to 43 dB
	Security	RC1N, RC2



HS 330 TIMBER/ALUMINIUM LIFT-SLIDING DOOR




The timber/aluminium lift-sliding door HS330 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 HS330 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 400kg 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
- Toughened panes protect from injuries
- Can be perfectly combined with all other Internorm window systems



PROPERTIES

	Thermal insulation	U_w as low as 0.73 W/(m ² K)
	Thermal insulation	up to 40 dB
	Security	RC1N, RC2



PERFECT COMBINATIONS

TRUE TO STYLE. INDEPENDENT OF MATERIALS. MATCHING.

The demands on design, energy efficiency 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 atmosphere and is therefore perfectly suitable for living rooms and bedrooms..



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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.



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.



Concealed hardware

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



I-tec locking

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 500).



Lockable handles

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



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
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



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)

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 Athinaï chrome/stainless steel matt
p/no. 34596

Designer handle Athinaï 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 Athinaï brass polished
p/no. 34595

Designer handle Bruxelles brass polished
p/no. 34591

Designer handle Atlanta brass polished
p/no. 34750

Handle G80
p/no. 36475

Handle Dallas
p/no. 36412

Handle Softline
p/no. 32447

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

GLASSES



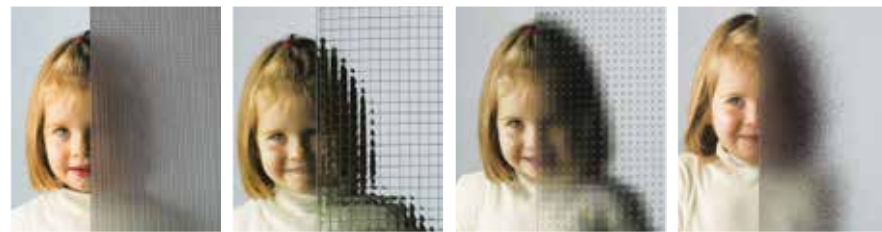
Satinato weiß Satinato grün
(only for Doors) Satinato blau
(only for Doors)



Chinchilla Linea UADI



Kathedral großgehämmert Altdeutsch K Reflo



Masterpoint Drahtglas 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.

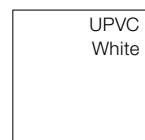
EXTERNAL SIDE OF WINDOWS AND DOORS

SD-FARBEN (ONLY FOR DOORS)



*Available on technical request.

UPVC



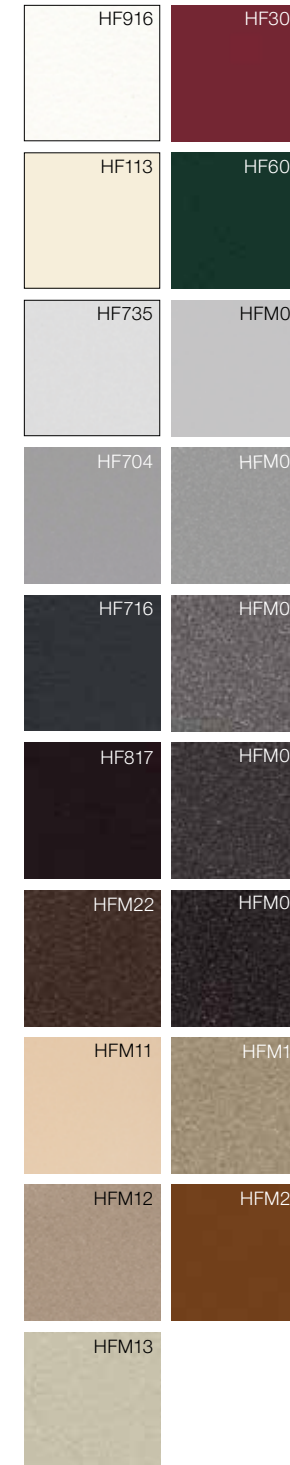
Please note that not every colour is available for every window and door. Due to printing and manufacturing technology colour deviations between illustrations in this brochure and original products may occur. Your **Internorm [1st] window partner / distribution partner** will gladly show you original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

ALUMINIUM ATTACHMENT CLAD

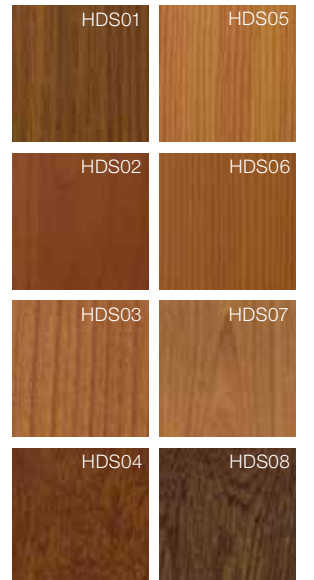
STANDARD COLOURS*



hi^{re}st-COLOURS***

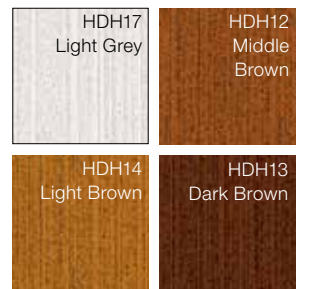


HDS COLOURS**



TIMBER DECOR

COLOURS****



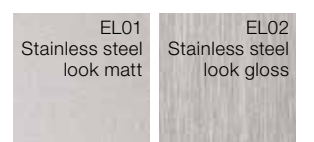
METALLIC DECOR

COLOURS



STAINLESS STEEL

COLOURS



NEW: DURAxal COLOURS



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).

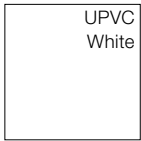
** Intensive colour appearance, however colour tolerances possible.

*** 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).

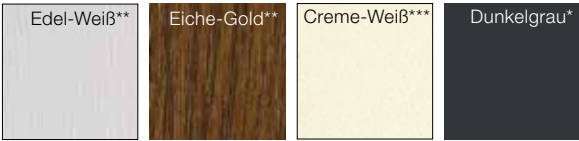
**** **HDH colours** have a vibrant timber appearance being hand-finished with structure coating, however colour tolerances are possible.

INTERNAL VIEW OF WINDOW

UPVC



DECOR FOILS



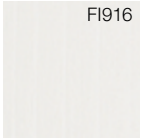
* Available for KF 500, KF 410 and KV 440 in studio and home pure as well as KF 310 and KV 350 in all available design styles
 ** Available for KF 410, KF 200 and KV 440 in home soft and ambiente as well as KF 310 and KV 350 in all available design styles
 *** Only for KF 310 and KV 350

TIMBER

STANDARD COLOUR SPRUCE, VARNISHED



STANDARD COLOUR SPRUCE, OPAQUE

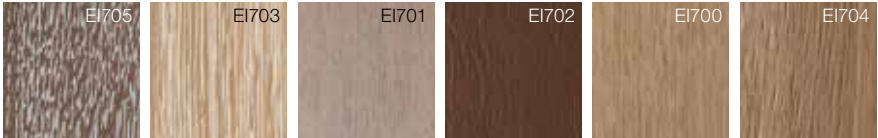


STANDARD COLOUR LARCH, VARNISHED

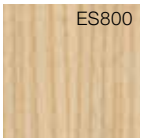


COLOURS HF 410 – additionally to timber standard colours available

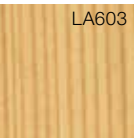
OAK



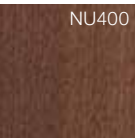
ASH



LARCH



WALNUT



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.



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GLAZING

TOUGHENED AND INSULATING GLASS

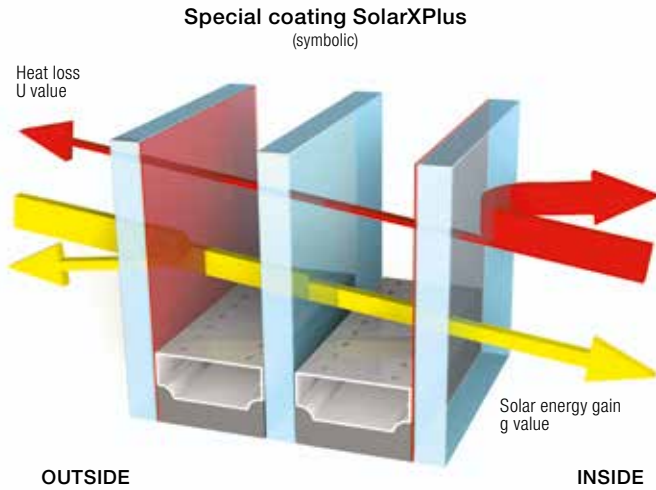
All insulating and toughened glass which is fitted into Internorm products comes from in-house production. We are independently promoting progress and aiming to satisfy the trend for innovative and highly thermally insulating glass solutions.

Thermal insulation glazing

Extremely thin precious metal coatings and precious gases such as argon or krypton are used in the cavity between the panes and ensure perfect thermal insulation. Choose triple thermal insulation glazing instead of double glazing and you can plan up to 40 % more glazing areas with the same heating costs.

NEW! SolarXPlus

The new type of coating of the glass panes lets more light and energy into your interior than other special glazing. This renders your living spaces even more appealing and lighter, it also offers excellent thermal insulation. The heat loss is therefore minimal and you can enjoy even more daylight – a key benefit especially in the Winter months.





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 fitted 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.



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

ALUMINIUM

UPVC



HF 210



AT 150



KF 405



HF 310



AT 150



KF 200

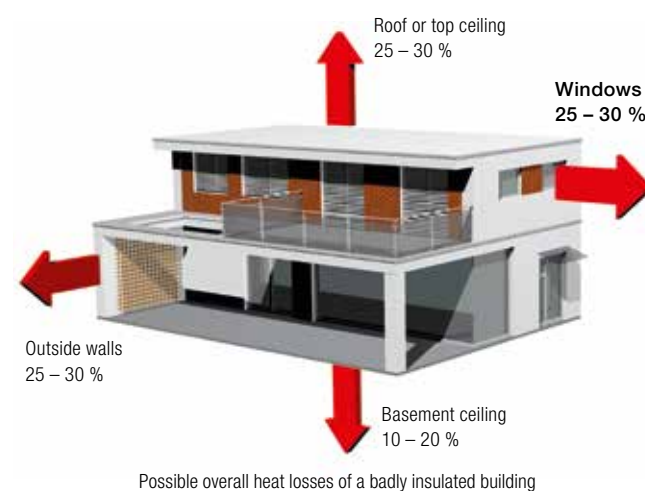


THERMAL INSULATION

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.

VOLUME	NOISE EFFECT	TYPE OF SOUND
10 dB	very quiet	Pin dropping
20 dB		Leaves rustling, clock
30 dB	quiet	Whispering
40 dB		Quiet talking
50 dB		Residential street, birds
60 dB	loud	Talking, radio
70 dB		Loud talking, street
80 dB		Heavy traffic
90 dB	very loud	Shouting, hooting
100 dB		Circular saw
110 dB		Pneumatic hammer
120 dB		Jet plane
> 150 dB	unbearable	Explosion, rocket

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 87 years of experience in trendsetting window and door solutions of exceptional reliability and longevity. This, we can guarantee you.















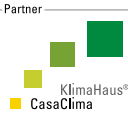





Warranty	<div>10 YEARS</div>	<ul style="list-style-type: none">No unnatural colour changes or cracked surfaces due to weather influences for white window and door profiles made of UPVC, with the exception of mitre cracks.No unnatural colour changes or cracked inside surfaces due to weather influences 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	<div>5 YEARS</div>	<ul style="list-style-type: none">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	<div>3 YEARS</div>	<ul style="list-style-type: none">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.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 GÜTEZEICHEN FENSTER KUNSTSTOFF + MONTAGE	 RAL GÜTEZEICHEN MINERALWOLLE ISOLIERGLAS	 RAL GÜTEZEICHEN FENSTER KUNSTSTOFF	 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 Schiesthaus)	 Climate Association Town Traun	
	 Official Police Security Initiative		 BBA APPROVAL INSPECTION TESTING CERTIFICATION CERTIFICATE 12/4890		

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