home pure

Internorm

Passive house certified component

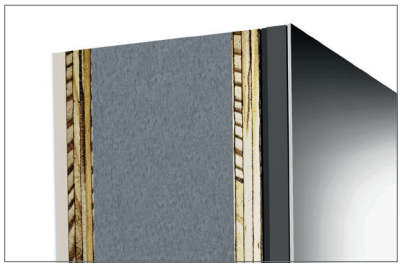
TIMBER/ALUMINIUM ENTRANCE DOOR

HT 400

- Innovative timber/thermal foam/aluminium composite system, plywood and phenol plates ensure tremendous stability even under extreme weather conditions.
- Panel construction in the highest climate c/d/e category 3
- Sensational heat insulation values:
  U_D = 0.73 W/m²K
  U_D fitted = 0.79 W/m²K
  U_D with glass cut out = 0.86 W/m²K
- 85.5 mm construction depth
- Passive house certified (closed door leaf) – as standard
- Triple, quadruple and quintuple glazing with double coating and stainless steel or ISO spacers ensure outstanding technical characteristics
- All glass types also available as security glass
- As standard three height adjustable entrance door heavy duty hinges and one multi-point lock with hook bolt are applied. Therefore, this door sash construction is already burglary protected at WK2 in its standard version.
- 8 model ranges for diversified design versions
- Colour versions matching with Internorm timber/aluminium window systems
- Triple gasket construction

Construction connections for every situation

Foamed special profiles in various heights are available for installations in passive houses.



Passive house certified

Highly heat resistant special profiles keep the door sash straight and air-tight even during extreme temperature fluctuations.

Burglar-proof

The multi-layered panel construction is suitable for burglar-proof doors due to the special set-up of different materials. (DIN V ENV 1627).

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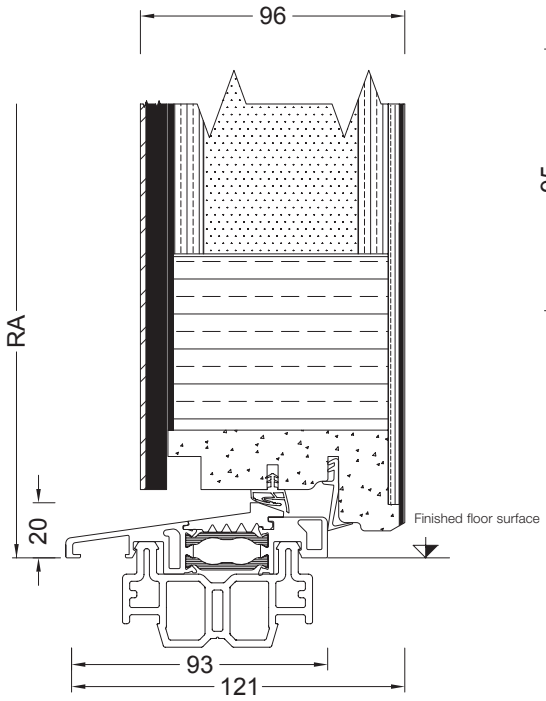
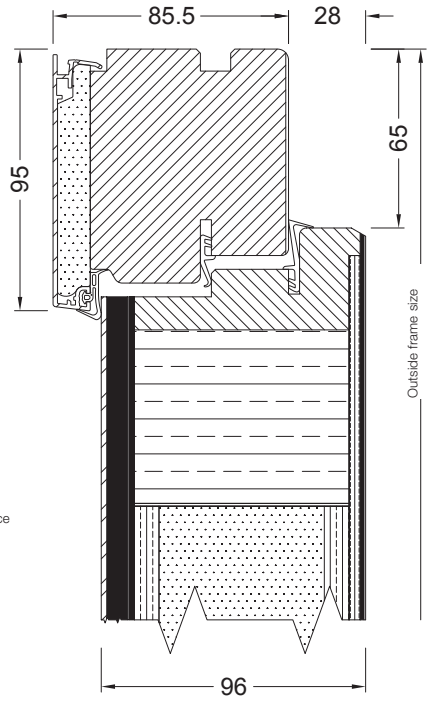
Bottom section



Lateral and top section



SECURITY HARDWARE

Solid multi-point lock with hook bolt complies with standard version of WK2.

System description

Timber/aluminium house entrance door in a multi-layered panel construction with an insulation core of thermal foam (HCFC, HFC and FC free).
Frame profiles are matching the various Internorm window systems.

- Construction depth of panel 96 mm
- Construction depth of frame 85.5 mm
- Triple, quadruple and quintuple glazing with thermal protection coatings and gas fillings
- Internorm aluminium colour program for the outside including all RAL colours
- Internorm aluminium colour program for the inside including all RAL and NCS colours

Quality assurance/monitoring

- In-house quality assurance system

Designs

- Inward opening one sash entrance doors with coupled side elements and fanlights
- Inward opening one sash entrance door constructions with fixed side elements and fanlights

Raw materials

- Aluminium extrusion press profiles and sheets with powder-coated or anodised surface
- Timber and timber materials with triple surface finish in the Internorm timber colours

Hardware

- 3 house entrance door hinges, adjustable in height
- Multi-point lock with hook bolt

Heat insulation

- U_D door 0.73 W/m²K
- U_D door fitted 0.79 W/m²K
- U_D door with glazing 0.86 W/m²K

Load category (DIN 18055)

- Climate category c/d and e according to DIN EN 1121/2000-09 categorisation according to DIN EN 12219/2000-06 category 3 (the highest category)
- Air permeability in accordance with DIN EN 1026 category 3
- Enhanced security WK2 as per DINV ENV 1627
- Passive house certified components according to the guidelines of the „Passiv Haus Institut“ of Darmstadt

Warranty

- Please consult the Maintenance-Care-and-Warranties booklet for detailed information on the extensive Internorm warranties.

Distribution, installation and service

- By authorised Internorm distribution partners

Zertifikat
Passivhaus geeignete Komponente
Für kühl-gemäßigtes Klima, gültig bis 31.12.2012
Passivhaus Institut
Dr. Wolfgang Feist
64283 Darmstadt
Germany
Kategorie: Haustür
Hersteller: Internorm International GmbH
A-4050 Traun
Produktname: se[le]ction
Folgende Kriterien wurden für die Zuerkennung des Zertifikates geprüft:
Wärmeverluste der eingebauten Haustür:
Die Tür erreicht bei einer Größe von 1,10 m * 2,20 m im eingebauten Zustand einen U-Wert von
$U_{D,eingebaut}$ = 0,79 W/(m²K) ≤ 0,80 W/(m²K)
wenn die im zugehörigen Bericht (beim Hersteller erhältlich) dokumentierten Einbaudetails der Haustür eingehalten werden.
Ohne Einbau beträgt der U-Wert der Tür U_D = 0,73 W/(m²K).
Die Werte U_D und $U_{D,eingebaut}$ beziehen sich auf eine Tür ohne Verglasung.
Luftdichtheit:
Die Haustür erreicht die Luftdichtheitsklasse 3 nach EN 12207.
Das Zertifikats-Kriterium »Luftdichtheit« wird erfüllt.
Bei der Prüfung der Luftdurchlässigkeit nach EN 1026 wurde eine maximale Verformung des Türblatts, ermittelt durch „Klima-Prüfung" nach EN 1121, berücksichtigt.
Vertikalschnitt
Haustür-U-Wert: U_D = 0,73 W/(m²K)
Weitere Angaben sind im zugehörigen Datenblatt aufgeführt.
PASSIVHAUS geeignete Komponente Dr. Wolfgang Feist
www.passiv.de

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04/13