

## **SPECIFICATION SHEET**

### **INVISIFRAME®**

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### **INVISIBLE ALUMINIUM DOOR FRAME**

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#### **MANUFACTURER**

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#### **SERIES**

DISCREET, UNIVERSAL INVISIBLE DOOR FRAME  
DOOR FITS PERFECTLY IN LINE WITH THE WALL

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#### **TYPES**

ARGENTA® INVISIFRAME® EN-Left type In  
ARGENTA® INVISIFRAME® EN-Right type In  
ARGENTA® INVISIFRAME® EN-Left type Out  
ARGENTA® INVISIFRAME® EN-Right type Out

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#### **DESCRIPTION**

Thanks to invisiframe®, the discreet, universal, invisible aluminium door frame, doors can line up in the same plane and in the same line as the surrounding wall (in the closed position), without a visible door frame.

There are four types: Type IN for doors that hang in line with the wall and for which the door must be pushed "in" the wall to open it and type OUT for doors that hang in line with the wall and for which the door must be pulled "out" away from the wall to open it. There are two versions each of the type IN and the type OUT doors: one version for doors that open to the left and another for doors that open to the right (according to EN).

The invisible invisiframe® door frames are universal for any type of wall, whether plastered masonry walls or walls made of plasterboard (with CLS timber frames as well as metal frames).

The frame is equipped with invisible 3D-adjustable argenta® invisible neo design hinges (milled notches included). These hinges are not visible (completely concealed position) when the door is in the closed position.

The argenta® invisible neo can be quickly adjusted for stability in height, depth and width thanks to the Allen wrench which is included. Even after intensive use, the hanging of the door can be adjusted and corrected. The door can attain a door-opening angle of 180° (OUT version) or 90° (IN version). To prevent contamination of the milled hinge notches with plaster or PUR foam during the installation of the frames, plastic dummies are supplied standard (already mounted on the profile).

When drafting construction plans, the placement of the invisiframe® requires no special preparations ahead of time. The invisiframe® can also be perfectly implemented in the renovation market. Due to their compact dimensions, the profiles can be integrated into walls with thicknesses of only 70 mm.

In the aluminium invisiframe® door frame, there are two integrated aluminium angle joints in the header and the jambs which means these profiles have a very sturdy (screwed) construction.

The horizontal header and the vertical jambs are equipped with a special dovetail profile which provides for excellent bonding of the profiles to the plaster work.

The profiles are also equipped with a special 14 mm (0.55 inch) rabbet where plasterboard can be placed to attain the perfect finish. These are positioned along the length of the wall and along the thickness of the wall. All brands of plasterboard can be used.

The mechanical and invisible attachment of the vertical profiles occurs by means of the integrated (included) wall anchors (cramps) or directly with screws through holes provided in the frame, both of which ensure the extra stability of the unit on the wall. On the side that is placed against the wall, the invisiframe® profiles are also completely flat to make stable attachment possible.

The result of the sturdy angle joints, stable profiles, special primer layer, special dovetail profiles and sturdy attachment to the wall is a completely stable door frame, where the chance of cracks and fissures in the finishing plaster layer is minimalized.

The integrated TPE rubber joint (doorstop) ensures optimal acoustic comfort and prevents draughts. This rubber seal can easily be removed and reattached (for example, when the door frame is being painted along with the wall). The rubber of the seal also provides a smoke-resistant seal (according to EN1634-3). This rubber seal is always pre-mounted in the invisiframe® profiles.

Standard doors with a thickness of 44 mm ( $\approx 1 \frac{3}{4}$  in) can be installed in the invisiframe® invisible aluminium door frame. When using type IN, the door leaf must be equipped with a 7 (depth) x 8 (length) mm (0.28 x 0.31 in) doorstop. The built-in tolerance between the frame and the door leaf is 2 mm (0,08 inch) on the left, right and top of the door and 4 mm (0,16 inch) at the bottom of the door.

The invisiframe® is available in various standard dimensions, both in the height as well as the width. Customised door frames are also available, and the horizontal header (width) can be easily cut to size by the installer.

The standard finish of the aluminium invisiframe® profiles is a layer of epoxy primer so that they are ready to be painted in the same colour (and with the same paint) as the wall.

The invisiframe® is also available upon request with an powdercoated finish in all RAL colours and with argenta® invisible neo M-6 hinges in finishes other than the standard chrome version (such as chrome glossy, stainless steel-look or black umber).

A magnetic lock is supplied standard for a perfect and noiseless close without damaging the corner of the frame. The integrated, concealed cover plate of the magnetic lock provides an extra sleek and unobtrusive finish.

As an option, the magnetic lock is also available with a cylinder lock or a bathroom lock. The magnetic lock comes standard equipped with a spindle sleeve with a square opening for an 8 mm spindle (0.31 in). The invisiframe® can also be ordered with the magnetic contactless, door latch, Magnotica®. The aluminium invisiframe® profile is equipped with milled notches for the lock plate, and the lock plate is always pre-mounted.

A fire-resistant version is also available as an option where the invisiframe® is suitable for use with fire-resistant doors. Fire resistance according to EN 1634-1 (2008) and classified according to EN 13501-2 (2007): E30, EI130, EI230 and EW30.

The invisiframe® and argenta® invisible neo are protected by various patents.

## **MATERIALS & FINISH**

Jambs and header: extruded aluminium AlMgSi 0.5

Finish: standard equipped with an epoxy primer layer (powdercoated in any RAL colour upon request)

Wall anchors (cramps): aluminium

Angle joints between jambs and header: aluminium

Screws for angle joints: stainless steel INOX 304 (Torx screws)

Cramp screws + hinges: stainless steel INOX 304 (hexagon socket screws)

Rubberseal (doorstop): TPE thermoplastic elastomer with double hardness Shore 85 / Shore 60, wear-, weather-, UV-, ozone- and solvent-based paint-resistant, acoustic class 2  
 Colour of rubber seal: white standard; in grey or black upon request  
 Invisible hinges: Zamak; standard finish: matte chrome (upon request chrome glossy or stainless steel look)  
 Plastic bearings and hinge guide rails: Argentalon®  
 Hinge pins and hinge adjustment screws: stainless steel  
 Dummy cover plugs for hinge holes: ABS  
 Magnetic lock: rounded front plate; finished in matte chrome

## DIMENSIONS

Standard door dimensions:

width = 610 mm (24 inch), 660 mm (26 inch), 711 mm (28 inch), 762 mm (30 inch), 813 mm (32 inch), 864 mm (34 inch), 914 mm (36 inch), 1219 mm (48 inch)  
 height = 2032 mm (80 inch), 2134 mm (84 inch), 2438 mm (96 inch), 2743 mm (108 inch), 3048 mm (120 inch).  
 Thickness = 44 mm ( $\approx 1 \frac{3}{4}$  in)

Flush-mounting dimensions (wall):

door leaf width + minimum 70 mm ( $\approx 2.76$  in) (for mounting without cramps) / min. 74 mm ( $\approx 2.91$  in) (for mounting with cramps)  
 door leaf height + minimum 36 mm ( $\approx 1.42$  in)

Tolerance provided for between door leaf and invisiframe® frame is 2 mm (0,08 in) (left, right and top).

Tolerance provided for between door leaf and bottom of invisiframe® frame is 4 mm (0,16 in).

Tolerance provided for between door leaf and ceiling (in room-height doors) is 4 mm (0,16 in).

Minimum wall thickness: 70 mm ( $\approx 2.76$  in)

Door frames with non-standard dimensions, room-height doors and double doors are custom made.

Maximum door dimensions: width = 1250 mm (49 inch) (door only) / 2500 mm (98 inch) (double door) & height = 4000 mm (157 inch)

Plasterboard rabbet: 14 mm (0.55 inch) (for 12.5 to 13.5 mm plasterboard)

Door frame rabbet: 8 mm (0.31 in)

Visible (can be painted) portion: 33 mm (1.30 in) (type IN) / 40 mm (1.57 in) (type OUT)

## TECHNICAL SPECIFICATIONS

INVISIBLE HINGES: argenta® invisible neo M-6

Adjustability: 3 dimensional; height, width and pressure (depth).

This product is manufactured according to, complies with and/or has been tested according to the:

2 hinges (\*\*) max. 80 kg

3 hinges max. 100 kg

(\*\*): In order to maintain the perpendicular line of the door panel, the use of a minimum of 3 hinges is recommended.

Cyclic opening & closing test: min. 200,000

CE classification according to EN1935 & CUAP 04.05/12: 2-7-3-1-1-4-0-10

INVISIBLE FRAME: invisidoor® DL

Fire-resistance: E30, EI130, EI230 and EW30 ("RF" version)

## STANDARDS

This product is manufactured according to, complies with and/or has been tested according to the:

DIN 16901

EN 12020-2

EN 12400

EN 12844  
EN 13501-2  
EN 1634-1  
EN 1634-3  
EN 1670  
EN 1774  
EN 1935  
EN 947  
EN AW 6063 T66

Specific requirements and quality specifications of Argent Alu nv.

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