# **INTERNAL DOORS**









# INTERIOR DOORS ENIRO

**ENIRO** are steel apartment entrance doors with an HDF-lined leaf, combining excellent technical performance with extensive design possibilities.

The collection includes decors that reflect the latest architectural trends.

Standard equipment includes a three-point lock with a lock cylinder, four anti-burglary bolts, two 3D hinges, and a wooden threshold – ensuring door tightness, user comfort, and, together with the threshold and double sealing, very good noise protection.

# **SAFETY**

The RC3 anti-burglary classification of the ENIRO doors is certified by the Building Research Institute (ITB).

# **FIRE PROTECTION**

The ENIRO doors provide maximum safety and durability in extreme conditions. They can be manufactured with the EI30 fire rating.

# **SOUND INSULATION**

The ENIRO doors reduce noise from the outside to provide acoustic comfort.



**ENIRO** door models





# **ENIRO** entrance doors

# **CHARACTERISTICS**



## Description

The ENIRO single-leaf apartment entrance doors consist of an opening frame made of galvanized steel sheet with a thickness of 1.5 [mm] and a 64 [mm] thick leaf composed of two galvanized steel sheets 0.75 [mm] thick, infilled with high-density mineral wool.

## Leaf and opening frame

The leaf is finished on both sides with a 6 [mm] thick laminated MDF FIBRAPLAST panel manufactured by FINSA.

The opening frame is always painted in black, while the MDF panels can be finished in any decor from the current FINSA collection.

Double gaskets installed in both the leaf and the opening frame ensure excellent acoustic performance, contributing to even greater user comfort.

#### Dimension

The ENIRO doors are available in standard dimensions:

- width: 900 [mm] or 1,000 [mm] clear passage,
- height: 2,000 [mm] or 2,200 [mm] clear passage.

Depending on the installation method, the following wall openings must be prepared for the specified clear passage dimensions:

	Dimensions of a single-leaf door in a standard version		
Opening frame type	Recommended dimensions of the installation opening depending on the clear passage		
	So	Но	
Standard + subframe in front of the opening	Sj + 140 [mm]	Hj + 80 [mm]	
Standard + subframe in the opening	Sj + 164 [mm]	Hj + 93 [mm]	
Standard directly in front of the opening	Sj + 75 [mm]	Hj + 52 [mm]	

# Designations

- opening width,

clear passage width (ordering dimension),

- external width of the installation subframe,

 $\boldsymbol{Emin}$  – space required for opening the leaf at a  $90^{\rm O}$  angle,

Ho - opening height,
Hj - clear passage height (ordering dimension),
Sp - external height of the installation subframe.

# Accessories

The ENIRO doors are equipped as standard with a three-point lock with a lock cylinder, four anti-burglary bolts, two 3D hinges, and a wooden

The standard hardware includes the CERES handle-handle hardware in stainless steel colour.

Optionally, the doors can be fitted with:

- · lock cylinder with a knob,
- · panoramic spyhole,
- electronic spyhole,
- threshold cover in black or stainless steel.

# Infill

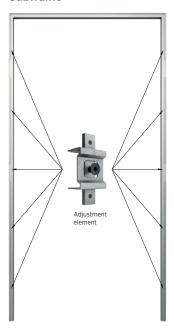
The ENIRO door features a 64 [mm] thick leaf made of two sheets of 0.75 [mm] thick galvanized steel.

The leaf is finished on both sides with a 6 [mm] thick laminated MDF FIBRAPLAST panel manufactured by FINSA.

The leaf lining panels are fixed with steel profiles made of 0.75 [mm] thick galvanized steel sheet, powder-coated in black, and riveted to the door leaf. The leaf is infilled with high-density mineral wool.



## Subframe



Optionally, the door can be equipped with a special subframe that facilitates installation. The subframe is made of 1.5 [mm] thick galvanized steel sheet and is mounted directly to the wall using ten flat oval head mounting

It is equipped with mounting brackets with two-axis adjustment. The proper opening frame is indirectly fixed to the installation subframe using ten M8x25 countersunk screws.

The space between the opening frame and the installation subframe should be infilled with mineral wool. The 10 [mm] gap between the wall and the subframe must be infilled with concrete mortar and supported locally with mounting shims.

# **ACCESSORIES**

# **HINGES**



3D hinges - coated in black.

The ENIRO doors are equipped as standard with two 3D hinges coated in black. The hinges are positioned on the opening side of the door - for inswing doors, the hinges will be mounted on the inside of the room.

# **ANTI-BURGLARY BOLTS**



Anti-burglary bolt

As standard, the ENIRO doors are fitted with three anti-burglary bolts.

# THRESHOLD SOLUTIONS

The ENIRO doors are equipped as standard with a wooden threshold, which can optionally be fitted with additional covers in stainless steel colour or made of galvanized sheet coated in black.

# **ENIRO** INTERIOR DOORS

Roble Hera Altas Kraft

41G

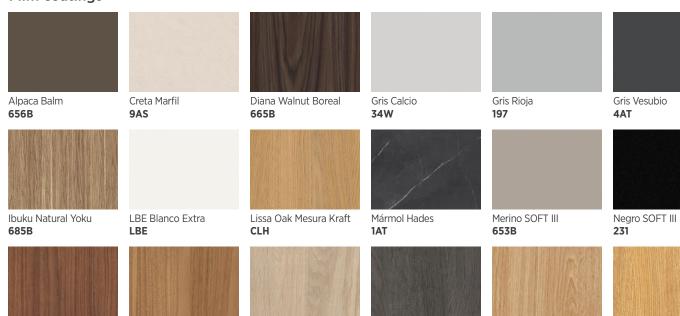
Roble Natural

910



# **AVAILABLE COLOURS**

# Film coatings



Roble Aurora Atlas Kraft

Roble Azabache

75V





Nogal Slow Atlas Kraft

5AE

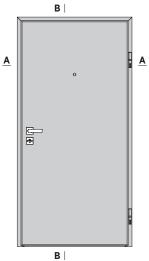
Roble Romance 274B

Siena Balm 657B

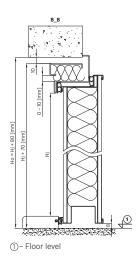


# **CROSS-SECTIONS**

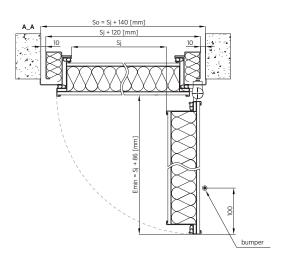
# **Inswing doors**



ENIRO doors - installation in front of the opening

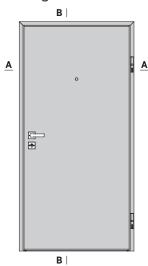


Vertical cross-section of the ENIRO door with a subframe – installation in front of the opening

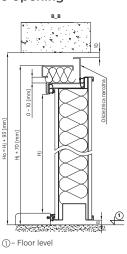


Horizontal cross-section of the ENIRO door with a subframe – installation in front of the opening

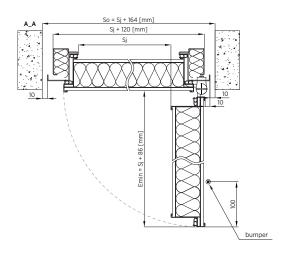
# Inswing doors - installation in the opening



ENIRO door - installation in the opening

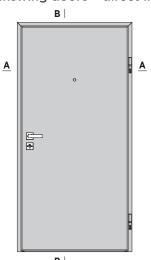


Vertical cross-section of the ENIRO door with a subframe – installation in the opening

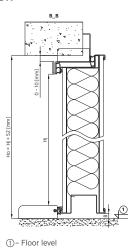


Horizontal cross-section of the door with a subframe – installation in the opening

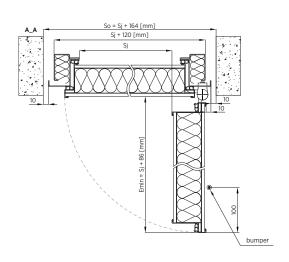
# Inswing doors - direct installation



ENIRO door – installation in the opening



Vertical cross-section of the door without a subframe – installation in front of the opening



Horizontal cross-section of the door without a subframe – installation in front of the opening<sup>(1)</sup>

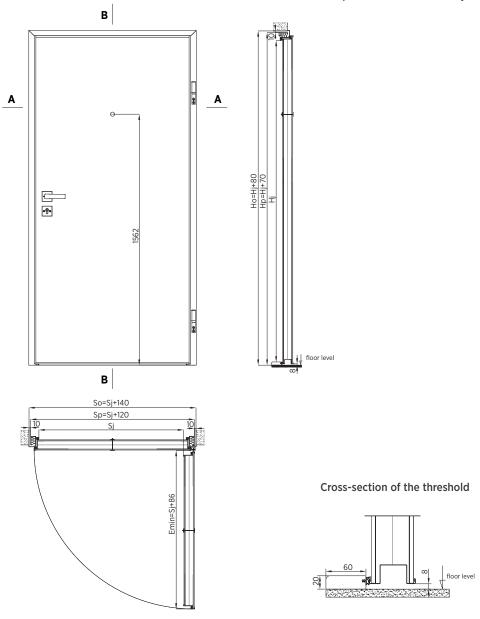
<sup>&</sup>lt;sup>(1)</sup> – For door installation without a subframe (installation in front of the opening), spot recesses must be made for the protective covers of the lock latch, anti-burglary bolts, and recesses for mounting anchors and hinge pockets. These spot recesses in the wall should be at least 30 [mm] wide and at least 10 [mm] high.



# TECHNICAL DESCRIPTION AND INSTALLATION CONDITIONS

# **SELECTION OF DOOR DIMENSIONS**

Indirect installation with an installation subframe, in front of the opening



Recommended dimensions of the installation opening depending on the clear passage		External dimensions of the subframe depending on the clear passage	
So	Но	Sp	Нр
Sj+140 [mm]	Hj+80 [mm]	Sj+120 [mm]	Hj+70 [mm]

The dimensional relationships specified in the table are values recommended by the manufacturer.

When determining the dimensions of the door, take into consideration the precision with which the opening will be made and the floor level which constitutes the reference for structure height measurement.

Clear passage measured with the leaf open at an angle of  $90^{\circ}$  – the dimension does not include the handle.

So - opening width,

Sj - clear passage width (ordering dimension),

**Sp** - external width of the installation subframe,

Ho - opening height,

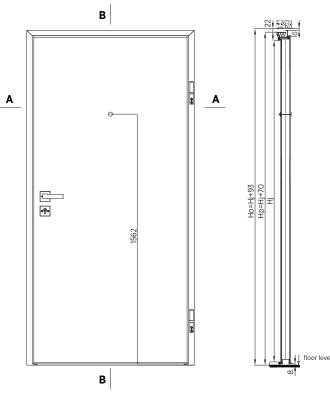
Hj - clear passage height (ordering dimension),

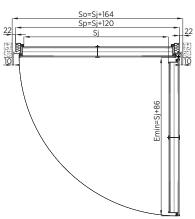
**Ho** - external height of the installation subframe,

Emin - space required to open the leaf at an angle of 90°.

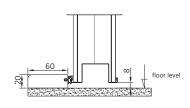


# Indirect installation with an installation subframe, in the opening





# Cross-section of the threshold



Recommended dimensions of the installation opening depending on the clear passage		External dimensions of the subframe depending on the clear passage	
So	Но	Sp	Нр
Sj+164 [mm]	Hj+93 [mm]	Sj+142 [mm]	Hj+83 [mm]

The dimensional relationships specified in the table are values recommended by the manufacturer.

When determining the dimensions of the door, take into consideration the precision with which the opening will be made and the floor level which constitutes the reference for structure height measurement.

Clear passage measured with the leaf open at an angle of  $90^{\circ}$  – the dimension does not include the handle.

So - opening width,
Sj - clear passage width (ordering dimension),

- external width of the installation subframe,

Ho - opening height,

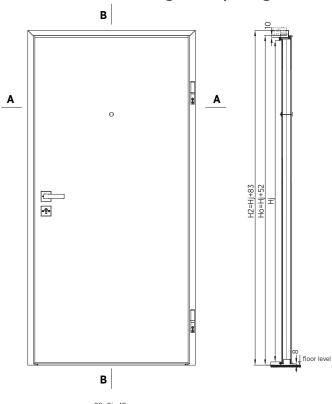
**Hj** - clear passage height (ordering dimension),

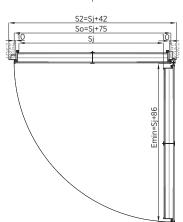
**Hp** - external height of the installation subframe,

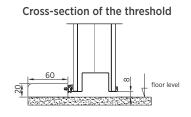
Emin - space required to open the leaf at an angle of 90°.



# Direct installation through the opening frame







Recommended dimensions of the installation opening depending on the clear passage		External dimensions of the subframe depending on the clear passage	
So	Но	\$2	H2
Sj+75 [mm]	Hj+52 [mm]	Sj+142 [mm]	Hj+83 [mm]

The dimensional relationships specified in the table are values recommended by the

When determining the dimensions of the door, take into consideration the precision with which the opening will be made and the floor level which constitutes the reference for structure height measurement.

Clear passage measured with the leaf open at an angle of  $90^{\circ}$  – the dimension does not include the handle.

The specified installation clearance does not include space for cut-out covers, for which spot recesses must be made in the wall.

- opening width,

- clear passage width (ordering dimension),

- external width of the installation subframe,

Ho - opening height,

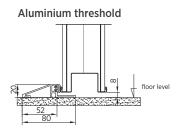
Hj - clear passage height (ordering dimension),
 H2 - external height of the installation subframe,

Emin - space required to open the leaf at an angle of 90°.

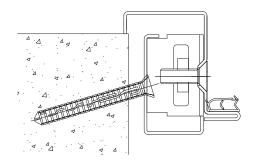


# THRESHOLD SOLUTIONS

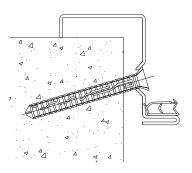
# Wooden threshold



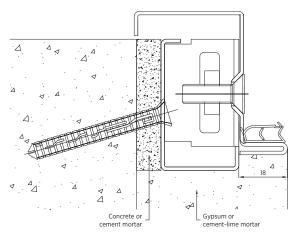
# **INSTALLATION METHOD**



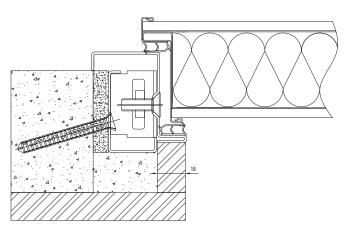
Indirect installation through the subframe



Direct installation through the opening frame



Indirect installation through the subframe of an El30 door



Example of opening frame installation in an RC3-

# **ENIRO DOOR TESTS**

- Sound insulation acc. to PN-EN ISO 10140-2:2021:
  - Rw = 38 (-1; -3) dB doors with an aluminium threshold,
  - Rw = 40 (-2; -5) dB doors with a wooden threshold.
- Fire resistance acc. to PN-EN 16034:2014-11 class El230.
- RC3 anti-burglary class PN-EN 1627:2021.



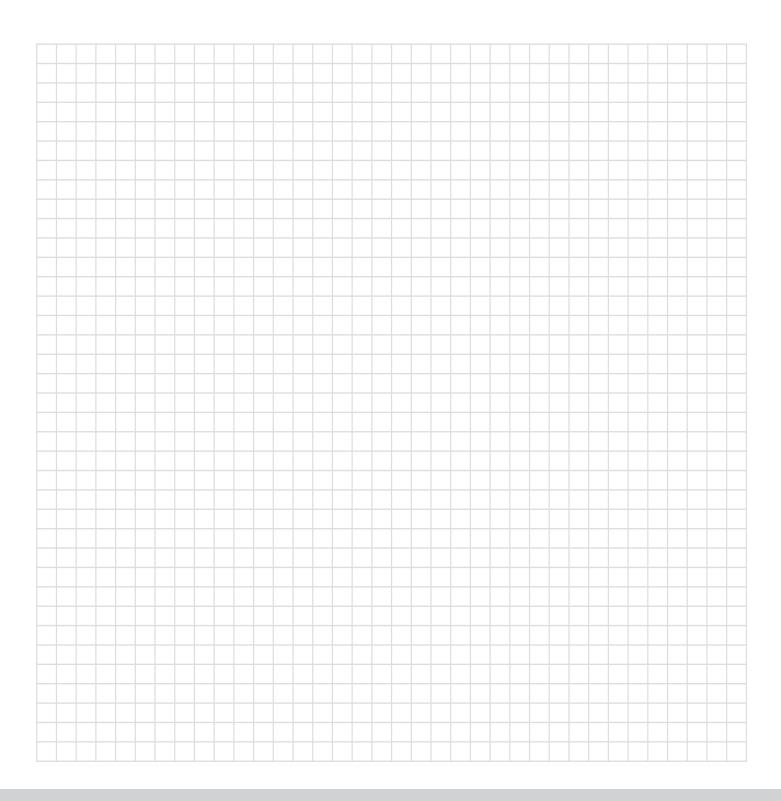
# PHOTO GALLERY



ENIRO | 107 | Pino Pasaden Poro



# **NOTES**





WIŚNIOWSKI Sp. z o.o. S.K.A.

Let us inspire you! See other solutions from WIŚNIOWSKI!



The products shown in the pictures often feature special accessories and do not always correspond to their standard versions • The technical data sheet does not constitute an offer within the meaning of the Polish Civil Code • The manufacturer reserves the right to introduce changes without notice • NOTE: The colours shown in the technical data sheet are for reference only • All rights reserved • Copying and use, in part or in full, is prohibited without the consent of WIŚNIOWSKI Sp. z o.o. S.K.A. • ENIRO/10.25/EN.