
EUROFORMAT
The most durable elevators


ЕВРОФОРМАТ

History of the company

2002

An enterprise specializing in metalworking has been created. At the same time, there was created a research and development center responsible for developments. A potential opportunity for producing elevators in-house was also considered.

2005

A new company name appeared – “Zavod Euroformat” Ltd.

2006

Started an active development of the elevator equipment production line. It took around two years to prepare documentation and examine test models of the “Euroformat” elevators.

2008

After passing the tests and receiving first orders, the mass production of “Euroformat” elevators started.

2009

The first governmental tender for replacement of elevator equipment was won.

2010

The first major contracts with the “sharks” of Ukrainian construction market were signed.

2011

The company received the first major government order.

2013

The company hit the international market confidently with the representative offices created in Kazakhstan and Russia. However, these business lines had soon crumbled. “Euroformat” gives the European market a highest priority and completely turns the development vector towards the EU.

2015

A representative office in Poland was established. It took a year and a half to obtain the European Quality Certificate.

2016

The first elevators manufactured by the plant “Euroformat” were put into operation in a residential complex in Poznan, Poland.

Company Profile

"Zavod Euroformat" Ltd. is a part of **group of companies «EUROFORMAT»** that specializes in manufacturing of products made of metal and provision of services for residential and commercial construction.

The main direction of the plant is the manufacture of elevator equipment. The company provides a whole range of services related to engineering, guarantee and service maintenance, replacement of elevator equipment.

The plant «Euroformat» is the leading ukrainian manufacturer of elevators with production capacities in Kiev, exporting products to European countries. Production facilities of «Plant Euroformat» Ltd. on the area of 12,400 m² allow the production of up to 120 elevators a month. The planned expansion of production through the construction of new workshops will increase this figure to 300.

Competitive advantages of "Euroformat" elevators:

- adaptability and modification of products according to customer requirements;
- a long term operation that become possible due to structural features of the "Euroformat" elevators and due to perfectly selected components;
- well-established client feedback through the quality management system

«It is important for us not only to meet standards, but also to propose practical and effective solutions that will meet builder's requirements. We are trying to optimize each elevator according to the project and frequently it becomes a decisive factor in choice of our products. Elevator must be an extension of the architectural design of a building, safe and comfortable for passengers».

Igor Tkachenko, CEO "Zavod Euroformat" Ltd.

Certificates

All processes at the enterprise are subjects to strict quality management system requirements in accordance with the International standard ISO 9001. Manufacture of the high quality and safe products has been controlled by the European certification body TUV NORD CERT GmbH since 2011.

“Zavod Euroformat” Ltd. products meet Technical Regulations for Elevators (Module H) and the standards of DSTU EN 81-1: 2003. Module H guarantees universal quality control of the processes of design, development, production, control and testing of the products.

The products of the enterprise are certified in Europe, comply with the requirements of the European Elevator Directive 95/16/EC and the standards of EN 81-1:1998+A3:2009 (Module B).

European components

Motors

Door drives

Safety gears and overspeed control units

Guide rails

Steel ropes

Elevator construction

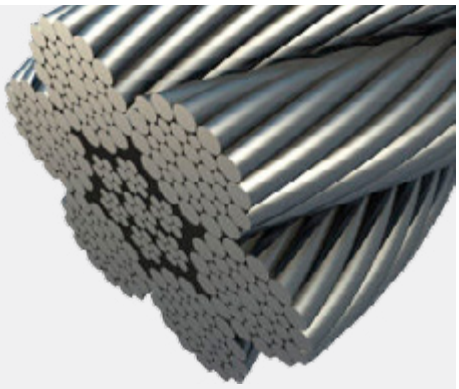
Safety is no place for innovation

Ropes are trusted solutions

“Zavod Euroformat” Ltd. uses specialized pre-tensioned elevator ropes of the internationally renowned manufacturers. The company’s specialists see prospects for manufacturing elevators on steel belts, and consider that now usage of traditional ropes is both more reliable and more economically feasible.

ADVANTAGES OF THE ROPES:

- Easily accessible product with competitive market pricing
- With the appropriate maintenance its life time is over 10 years
- Ropes usage is beneficial for any number of floors, including a residential property.



Mechanical SPK – proven solutions

Rope tension is controlled by mechanical switch of the elevator rope slack (SPK). This mechanism is activated when at least one rope is slacking (broken) and breaks the elevator control circuits and main driver thus stopping the elevator from moving further. Plant “Euroformat” prefers exactly mechanical SPK, because of such reasons:

- It is the device with a failure-free operation trusted and proven over the decades.
- The mechanism is not subject to voltage fluctuations or software malfunctions, as it is possible with electronic systems.

Energy efficiency

Gearless motor

Following the market trends, plant “Euroformat” has concentrated on implementation of elevators with gearless motors.

The motor, being the main elevator unit, ensures its efficient, durable and steady operation.

Modern motors used in the elevator industry have a number of features that are important both for the installation and service personnel, and for the elevator passengers:

- Simplicity of mechanical installation due to its ergonomic design.
- Ease of maintenance. For example, to replace motor breaks one shouldn’t disassemble it and reconfigure the frequency control drive.
- Reliability and long term operation – it is designed for optimal productivity with increased quality of ride and energy saving.

PARTICULAR QUALITIES OF GEARLESS MOTORS:

- Low vibrational and noise characteristics.
- Eco-friendly with reduced maintenance costs – elevators do not require oil change.
- Energy efficient - due to the absence of a gear, the technician consumes less energy (energy costs of the gear are up to 40% of the energy consumed by the motor.

Elevator mode “Standby power system”

«Standby» is a “sleep” mode with saving energy usage. Control systems can reduce energy consumption when the elevator is in standby. The cab moves from operative mode to the standby five minutes after the last running. At the same time, all sources of electric power consumption are turned off. While receiving a call, the system springs back to life instantly.

LED lighting in a cab

- All ceiling modifications of “Euroformat” elevators are equipped with LED-based lighting, even in standard configuration.
- LED-based lamps provide more natural light (similar to solar), they do not twinkle. Thanks to this, an impact on eye retina decreases, and as a result, the eyes become less tired.
- LED backlight helps to reduce power consumption. The service life of such lamps is 10 times longer than with ordinary fluorescent lighting.
- Elevator does not require frequent replacement of lamps, that avoids additional downtime.
- Periodic switching on and off when switching to «Standby» mode does not affect lamp life.

Lighting control on the floors (option)

When elevator arrives on the floor, full lighting is automatically turned on in the elevator hall, giving passengers the opportunity to reach their apartments comfortably. The system is configured in such a way that at other times the lighting on the floors works in the energy saving mode.

Recuperative drive (option)

In elevators with recuperative drive the excess electrical power generated by the motor is returned back to the electrical network. This gives an opportunity to use it by other systems of a building. For example, on lighting up an entrance.

The drive produces energy when moving down with the fully loaded cabin or if moving up with almost empty cabin, when the cab moves not due to the motor, but under its own weight or the weight of the counterweight. However, recovery efficiency directly depends on such parameters as elevator capacity, travel height, passenger traffic, and becomes possible only at the maximum values of these parameters:

Traffic	Number of floors in a building	Load capacity of a cabin		
		400/450 kg	630 kg	1000 kg
Law (accommodation)	5 floors			
	10 floors			
	16 floors and above			
Medium (business center of class B and lower)	5 floors			
	10 floors			
	16 floors and above			
High (business and shopping center of A class)	5 floors			
	10 floors			
	16 floors and above			

Energy saving for «Euroformat IQ» station

0-12% Energy saving

12-22% Energy saving

22-30% Energy saving

Consumer welfare

In a standard complete set, the “Euroformat” elevators are equipped with a range of functions responsible for ensuring the safety of passengers, including:

Infrared veil

The sensor with 154 infrared rays built into the elevator door opening creates a kind of invisible security screen. If there is an obstacle in the door opening, the infrared protection will not allow the elevator doors to be closed.

Guaranteed evacuation

The evacuation system operates from an alternative power source, so in the case of a power outage, elevator passengers will be safely delivered to the nearest floor.

Roller safety gears

In an emergency situation roller safety gears snap into action, slightly lower a cab so that passengers will not feel a sharp impact, and the cabin will descended to the floor below.

Passengers comfort

Collective elevator control

Elevator collects all passengers moving in the same direction, that is those who pushed a certain button on the call panel. In residential buildings the collective movement operates downwards, and in office buildings there is a possibility to adjust it both downward and upward.

Priority call

By double pressing the call button one can call a freight-passenger elevator - for the transporting of a baby carriage, a person with disabilities or a bulky cargo. This function also operates for calling an elevator to the ground floor or to the parking level.

Door forced opening button

Function of door forced opening allows delaying the door closing in case of waiting for a passenger, getting baby carriage, loading up a luggage.

Acceleration of door closing (option)

The button located on the operation panel allows passengers to accelerate the start of the cabin by shortening of waiting time for automatic doors closing. It is most functional in office and business centers with high traffic.

Designation of the main landing floor

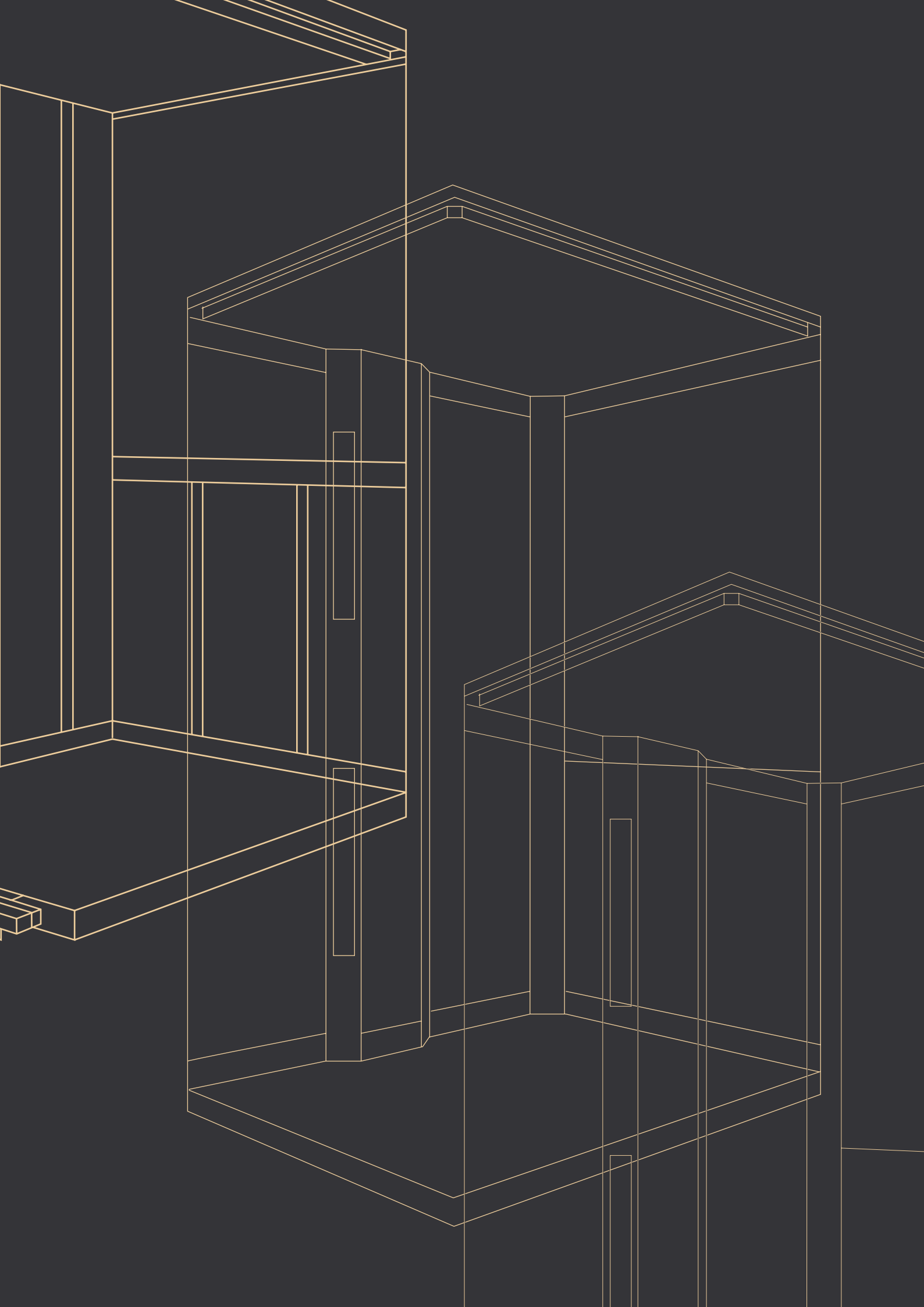
The button of main landing floor is highlighted in green on the operation panel. It allows passengers to identify quickly on which floor is the exit from the building. It is particularly relevant for objects with underground parking and ground floors.

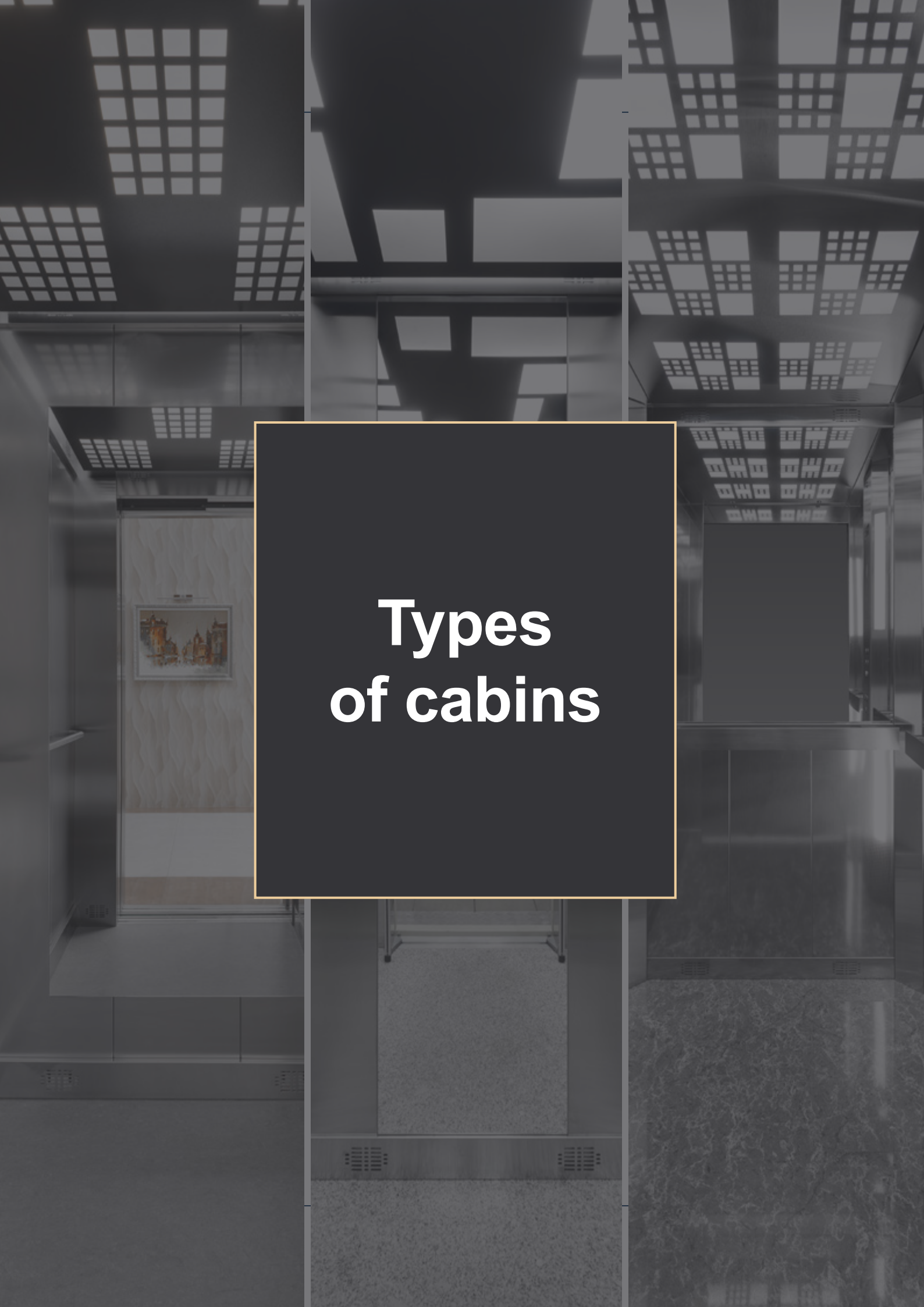
Parking mode

The parking mode activated with a special key allows to make full use of freight-passenger elevator during repair and relocation period and to eliminate negative consequences for the equipment. At the time of mode activation, the elevator is fixed on a certain floor without the possibility of calling from other floors.

Anti-claustrophobic design (option)

It means a decor of the elevator cabin with the maximum adaptation to people, suffering from claustrophobia. Details: warm colors and contrasting tones, bright lighting, accent on large mirrors, TFT screen with photos of nature, sounds (for example, singing of birds).





Types of cabins

Standard

According to the standard specification, the elevator is equipped with safety devices only from European manufacturers, which confirms the quality and guarantees the reliability and durability. The use of calibrated guides and pre-tensioned ropes provides a smooth motion and a comfort movement.

BENEFITS:

- infrared veil
  (in a basic configuration)
- LED lighting
  (in basic configuration)
- client's logo on the ceiling or
  on the mirror of a cab

Construction of cab wall

1. Metal 1.5 mm

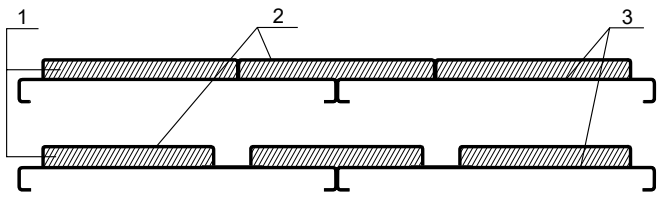
Prestige

Formal design, various textures of stainless steel offers a high comfort and emphasize that the building belongs to the business class.

BENEFITS:

- rigidity of construction
- additional soundproofing

Construction of cab wall



1. MDF 12 mm
2. Stainless steel 1.2-1.5 mm
3. Galvanized metal 1.2 mm

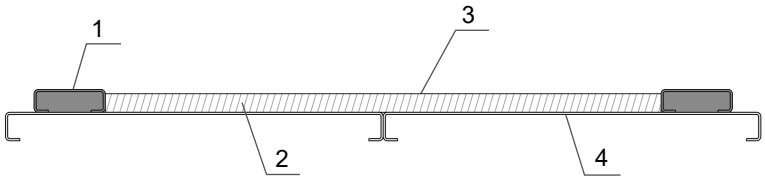
Art

Elevator cab Art is an option to reach the most complex design purposes. The cabin construction allows us to use almost any finishing materials: steel, wood, glass, decorative plastic.

BENEFITS:

- rigidity of construction
- additional soundproofing
- individual design solutions

Construction of cab wall



1. Stainless steel 1.0 mm
2. MDF 12 mm
3. Decorative panel
4. Galvanized metal 1.2 mm

Panoramic cabins

References

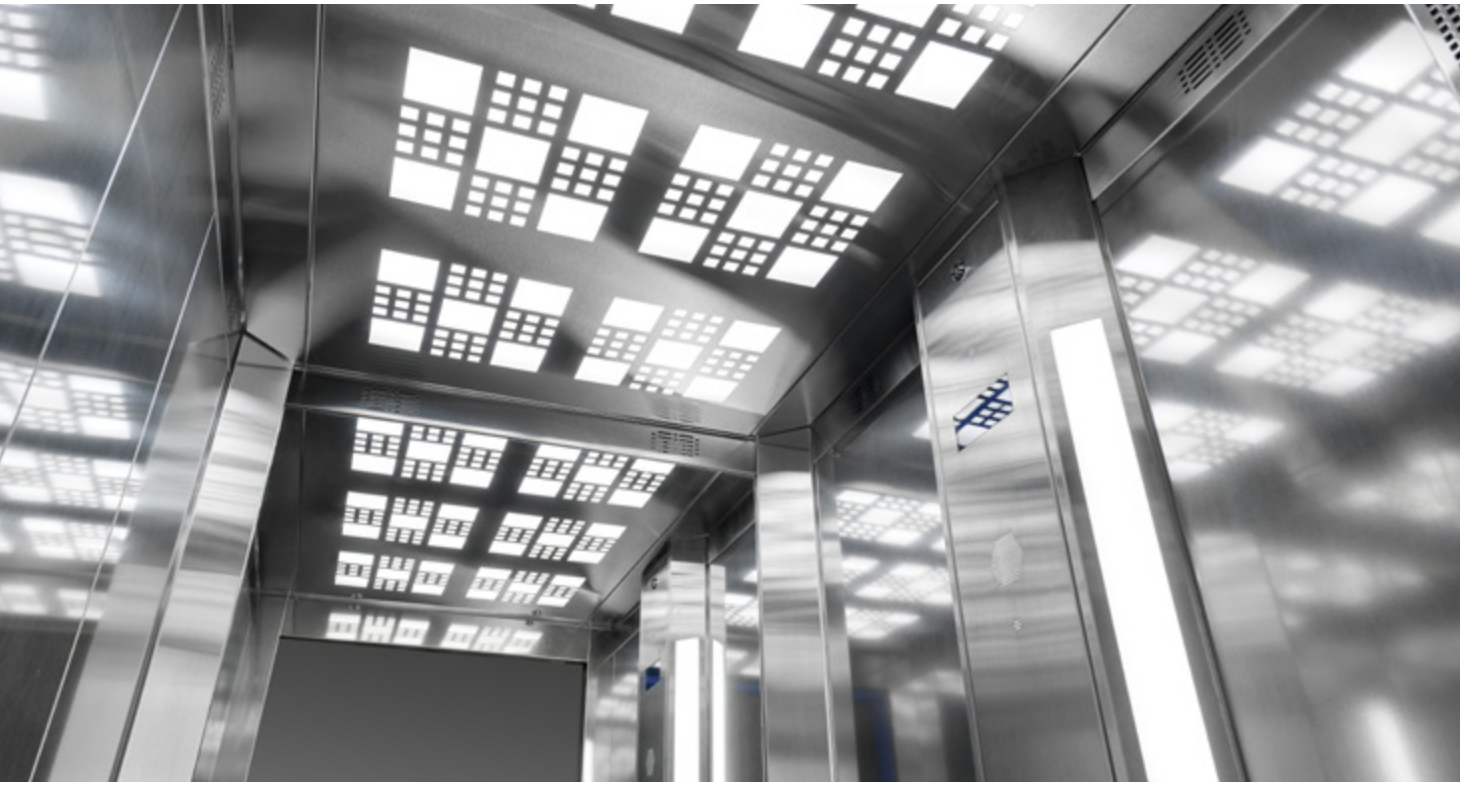
Business center YEVROPASAZH

Residential complex L-KVARTAL

Residential complex APELSYN

Residential complex HOLFSTRIM

Hotel BonApart



Elevator cab configuration

Elevator cab configuration

EUROFORMAT

Operation panels

Flat*	Trapezoid*	Trapezoid with illumination**
		

* in Standard cab are available in RAL colors

** except for Standard cab

Buttons

With floor indication and Braille type (Standard)	With floor indication (Premium)
	

Handrails

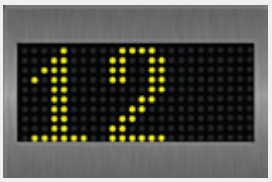
Round straight	Rectangular*
	

* except for Standard cab

Call panels

Planted «Standard»	Planted with LED indication	Planted with LCD indication	In-build	Sensory
				

Indicators

TFT-display	LCD-display	LED-display
		

ADDITIONAL OPTIONS

- Music (FM radio / MP3 player)
- Voice announcement (UKR / RU / ENG / PL)
- Arrival signal (gong)
- Induced ventilation
- Group operation (up to 6elevators)
- Priority call
- Parking mode
- Access control

Elevator cab configuration

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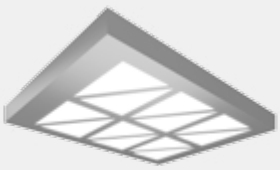
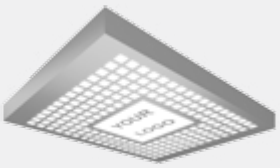
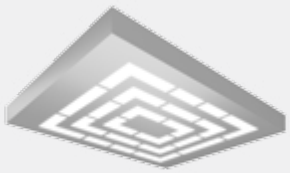
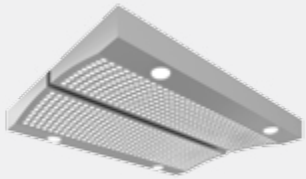
Mirrors

Full height	½ of height	Splat*
		

*in Prestige cab only

Ceilings

№1 	№2 	№3 
№4 	№7 	№8 

Cabin design

Ceilings, walls, operation panels

RAL 5024

RAL 6019

RAL 9016

RAL 9001

RAL 1013

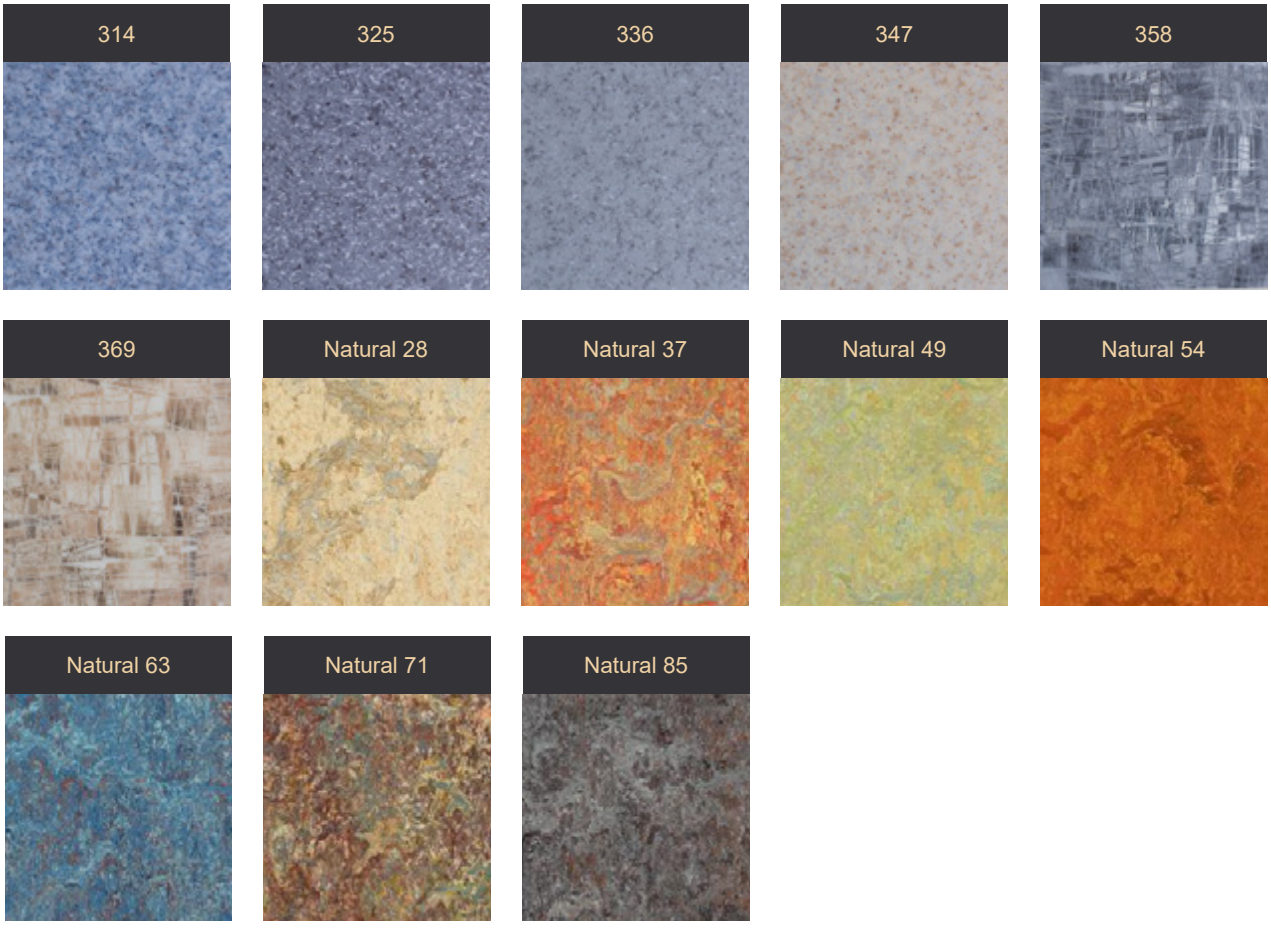
RAL 7035

RAL 9006

RAL 9007

RAL 9005

Floor | Linoleum



Elevator cab configuration

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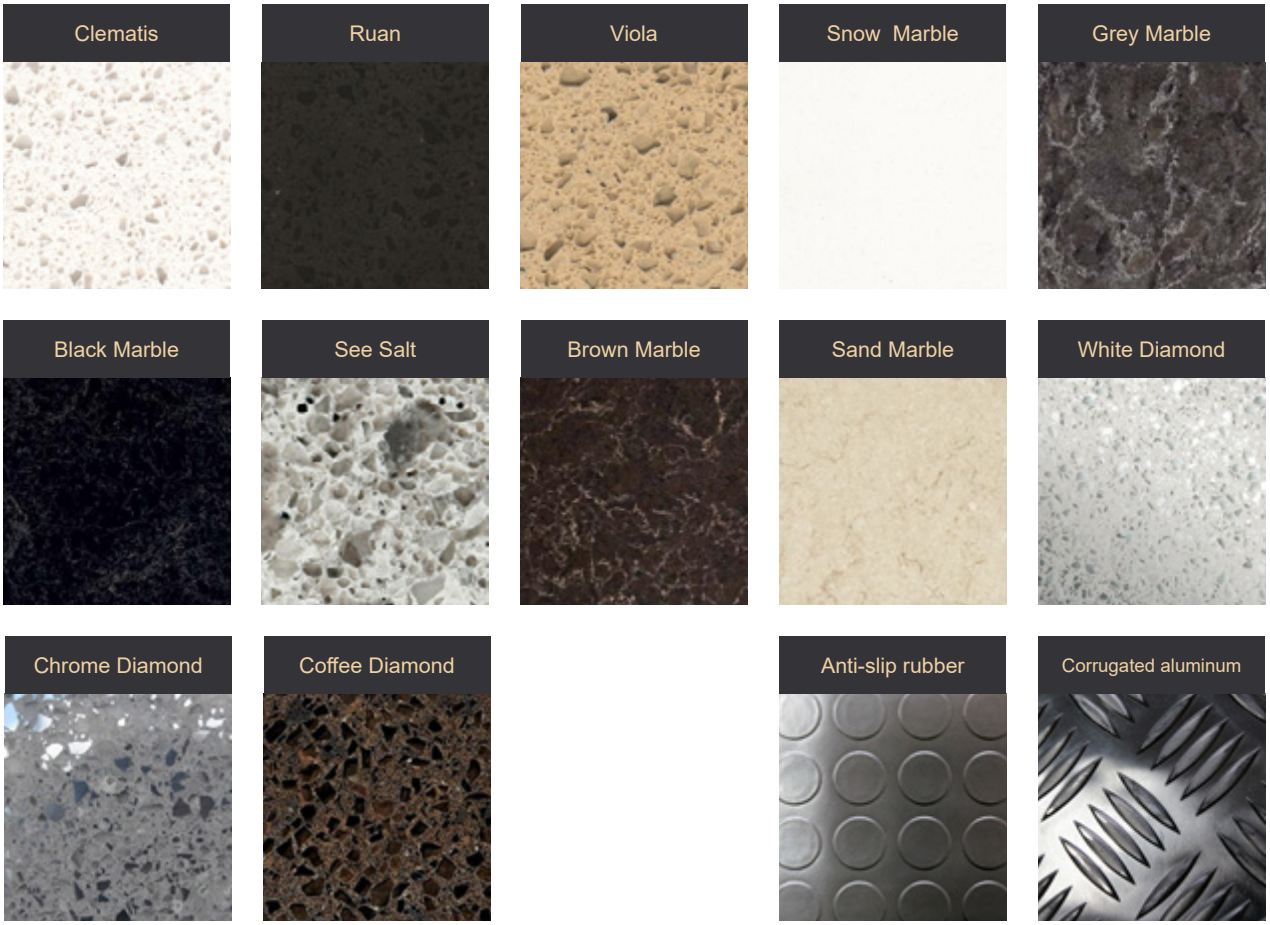
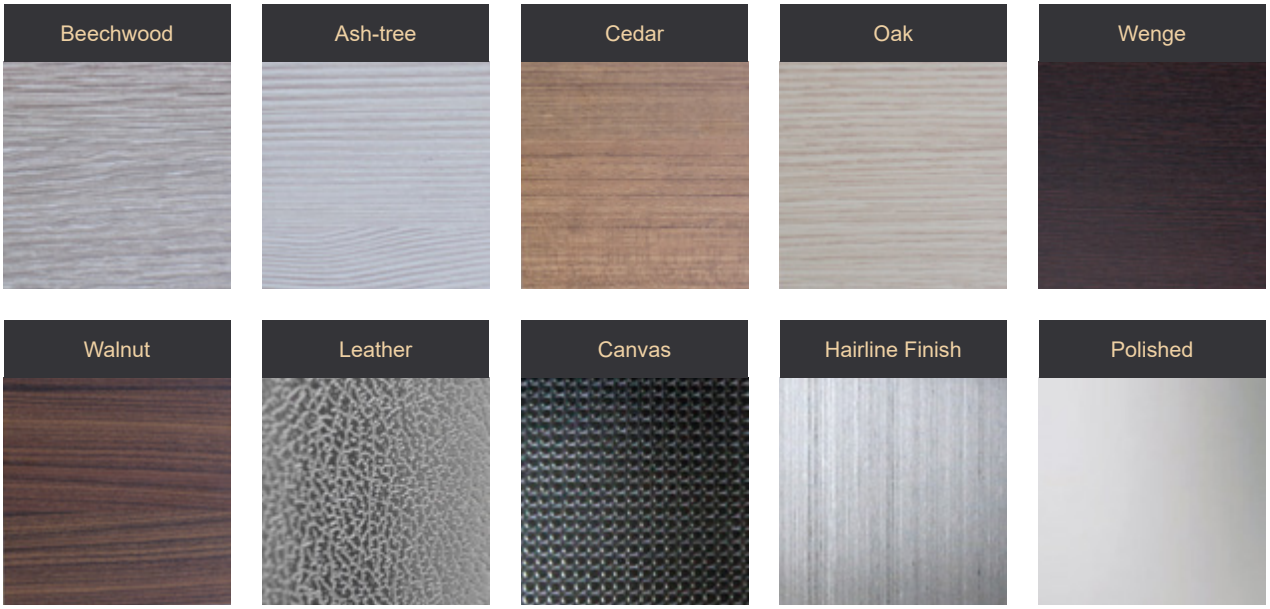
Floor | Artificial stone



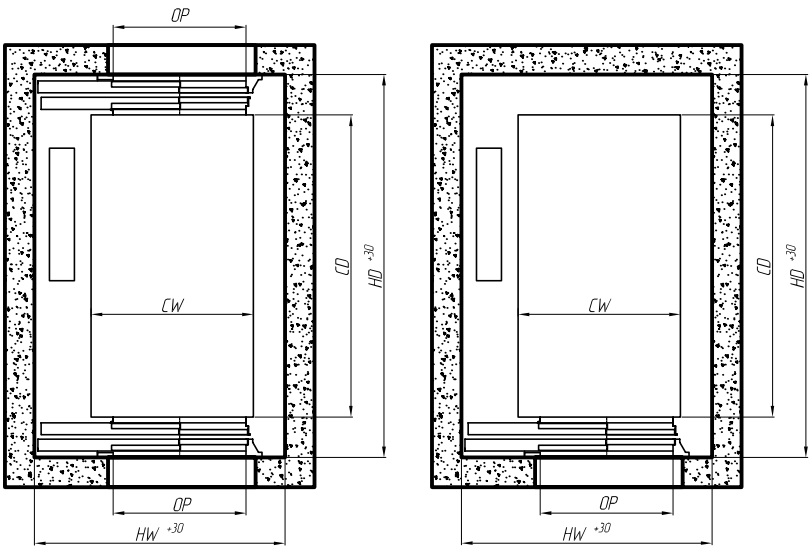
Walls



Technical information

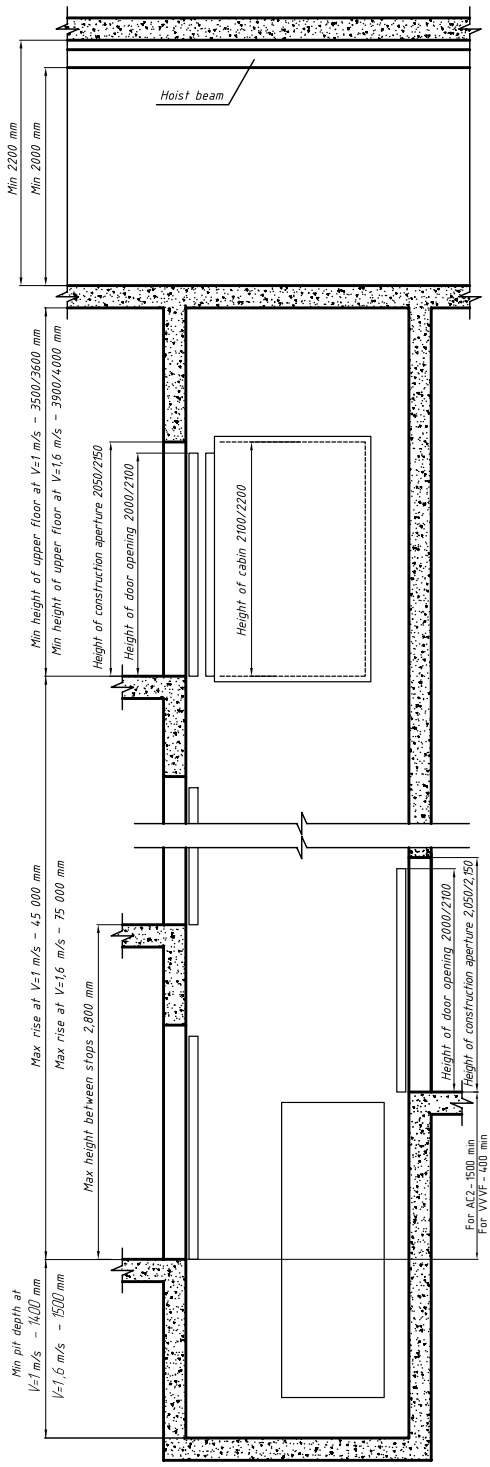
Standard EF elevator hoistways

Internal dimensions of elevator hoistways in plain view



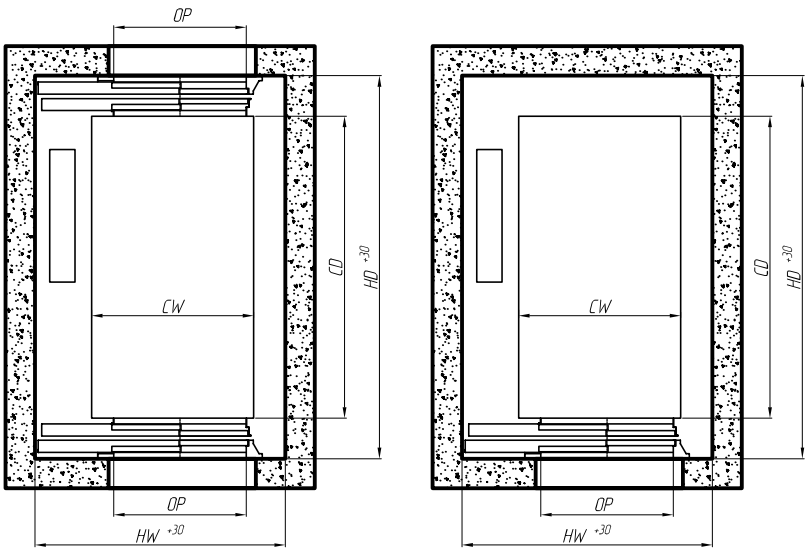
Load capacity, cabin capacity	Cabin dimensions, mm		Doors		Hoistway dimensions, mm			
	Cabin width CW	Cabin depth CD	Type	Opening width OP	HW width, 1 entry	HW width, 2 entries	HD depth, 1 entry	HD depth, 2 entries
400 kg 5 persons	1100	1000	Extendible	700	1550	No	1650	No
				800	1600			
			Central	700	1550	No	1650	No
				800	1750			
630 kg 8 persons	1100	1400	Extendible	700	1550	1750	1950	2000
				800	1600			
				900	1750			
			Central	700	1550	1750	1950	2000
				800	1750	1850		
				900	1950	2000		
1000 kg 13 persons	1100	2100	Extendible	700	1750	1750	2550	2650
				800				
				900				
			Central	700	1800	1800	2500	2650
				800	1800	1800		
				900	1950	1950		
1000 kg 13 persons	2100	1100	Extendible	1200	2550	2800	1700	1700
1000 kg 13 persons	1600	1400	Central	900	2100	2250	2050	1950

Internal dimensions of elevator hoistways in vertical direction



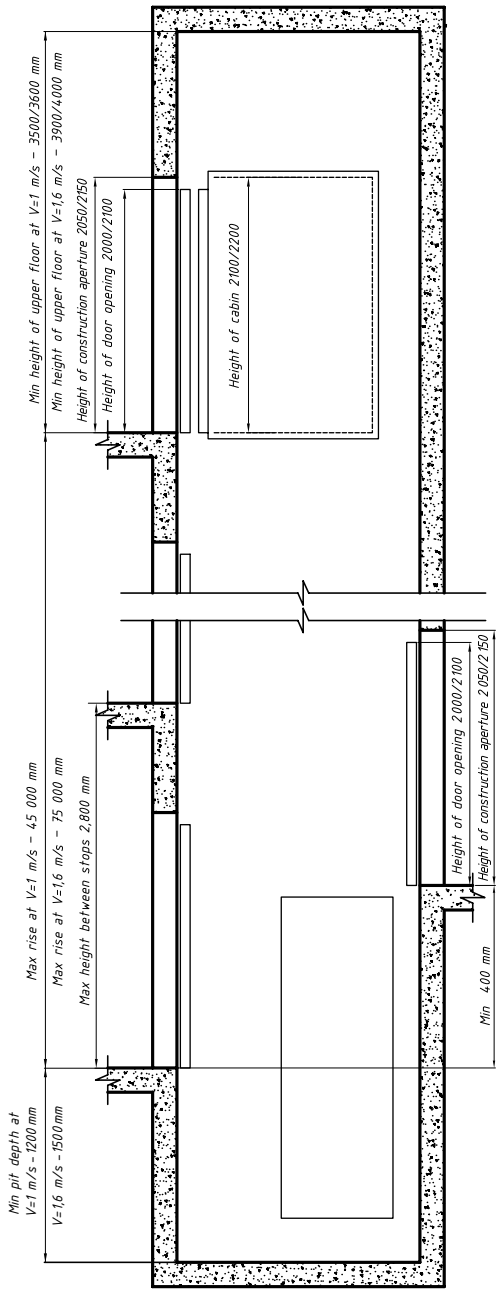
Standard EFR elevator hoistways

Internal dimensions of elevator hoistways in plain view



Load capacity, cabin capacity	Cabin dimensions, mm		Doors		Hoistway dimensions, mm			
	Cabin width CW	Cabin depth CD	Type	Opening width OP	HW width, 1 entry	HW width, 2 entries	HD depth, 1 entry	HD depth, 2 entries
400 kg 5 persons	1100	1000	Extendible	700	1700	No	1600	No
				800				
			Central	700	1750	No	1600	No
				800	1850			
450 kg 8 persons	1100	1000	Extendible	700	1600	1600	1600	1800
				800				
			Central	700	1700	1700	1600	1800
				800	1800	1800		
630 kg 13 persons	1100	1400	Extendible	700	1750	1750	1750	2000
				800				
				900				
			Central	700	1800	1800	1750	2000
				800	1850	1850		
				900	1950	1950		
1000 kg 13 persons	1100	2100	Extendible	700	1750	1750	2500	2700
				800				
				900				
			Central	700	1800	1800	2500	2650
				800	1850	1850		
				900	1950	1950		
1000 kg 13 persons	2100	1100	Extendible	1200	2700	2700	1600	1700
1000 kg 13 persons	1600	1400	Central	900	2200	2200	1750	2000
				900	2250	2250	1700	1900

Internal dimensions of elevator hoistways in vertical direction



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