EVEREST 2.0

EVACUATION CHAIR

INSTRUCTION FOR USE



EnSafe.One

A world open to all

This is a medical device.

Use it according to the instructions for use or the label.

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1. PURPOSE OF THE INSTRUCTION MANUAL

The purpose of this instruction is to provide all the information necessary for the correct and safe use of the product.
Before using, please read the manual carefully and follow the instructions given inside.
The manual includes:
• description and construction of the evacuation chair,
• the scope of its use,
• the method of preparation for use,
• principles of safe use,
• information on technical inspections, maintenance and cleaning,
• warranty conditions, warranty card and maintenance record.
If you have any questions, please contact the seller or the manufacturer.

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2. DEFINITIONS

Operator – a person who has acquired knowledge and competence in operating the product during training with an Authorized Trainer. With the acquired skills is able to use the product in a safe manner. Is a person authorized to use the product during evacuation or in case of need for transportation.

User – a person using the device in emergency situations, during evacuation exercises or as part of medical transport. This could be a person with special needs, requiring assistance in evacuating a building, a patient being moved to another location, or a person needing safe transport for medical reasons.

Person with special needs – a person who, due to his health or other limitations, is unable to move independently and requires support during evacuation or transportation.

Administrator – a person appointed by the customer who oversees the technical condition, the timing of technical inspections and the cleanliness of the products.

Authorized trainer – a person authorized by the Manufacturer to conduct training on the use of the product. He or she has the technical knowledge and practical experience that enable him or her to reliably and comprehensively provide information on the product.

Authorized service – entity designated by the Manufacturer to perform activities related to service, maintenance and repair of the product.

Technician – a person authorized by the Manufacturer with expertise in service, maintenance and repair of the product.

Medical device (according to Regulation EU 2017/745) – means any instrument, apparatus, appliance, software, implant, reagent, material or other article intended by the manufacturer to be used, alone or in combination, for human beings for one or more of the following specific medical purposes:
— diagnosis, prevention, monitoring, prediction, prognosis, treatment or alleviation of disease,
— diagnosis, monitoring, treatment, alleviation of, or compensation for, an injury or disability,
— investigation, replacement or modification of the anatomy or of a physiological or pathological process or state,
— providing information by means of in vitro examination of specimens derived from the human body, including organ, blood and tissue donations, and which does not achieve its principal intended action by pharmacological, immunological or metabolic means, in or on the human body, but which may be assisted in its function by such means.

Incident (according to Regulation EU 2017/745) – means any malfunction or deterioration in the characteristics or performance of a device made available on the market, including use-error due to ergonomic features, as well as any inadequacy in the information supplied by the manufacturer and any undesirable side-effect;

Serious incident – means any incident that directly or indirectly led, might have led or might lead to any of the following:
(a) the death of a patient, user or other person,
(b) the temporary or permanent serious deterioration of a patient's, user's or other person's state of health,
(c) a serious public health threat.

Serious public health threat – means an event which could result in imminent risk of death, serious deterioration in a person's state of health, or serious illness, that may require prompt remedial action, and that may cause significant morbidity or mortality in humans, or that is unusual or unexpected for the given place and time.

3. WARNINGS ABOUT THE DEVICE

- Use the product according to its intended use;
- Only properly trained persons, registered in the list of persons authorized to carry out evacuation, are allowed to operate the product;
- Operator qualification is granted for a specific product, not for similar products;
- Before use:

  - read the contents of this Operating Manual,

  - inspect the technical condition of the product in accordance with the manufacturer's recommendations;
- If any damage or technical defects are found, immediately secure the product from further use and contact the Manufacturer;
- Never exceed the maximum load (max. 238 kg);
- The chair should be unfolded on a flat surface, to make it easier block the rear brakes beforehand;
- Getting on and off the evacuation chair should be done on a stable, flat surface, with the rear brakes locked;
- The operator is obligated to:

  - properly secure the evacuee in accordance with the Manual, to avoid the risk of jamming body parts (Operator and/or User),

  - provide constant supervision of the person in the chair,

  - avoid sudden movements, as this may cause injury (to the User and/or Operator),

  - hold the chair at all times while going down or descending the stairs,

  - locking the brakes before seating the person in the chair.
- When evacuating a person weighing more than 120 kg, it is recommended to ensure the presence of an additional person for assistance, in order to minimize the risk of losing control of the device;
- The product may become hot when exposed to sunlight - take caution when coming into contact with its surface;
- During procedures involving a transported person, the Operator should use appropriate personal protective equipment (e.g., gloves, mask) to minimize the risk of contact with secretions;
- It is forbidden to use direct sources of heat or open flame near the product;
- Ensure that the product is used in an environment free of excessive moisture, dust and dirt that can lead to component failure or corrosion;
- Store the product in accordance with the manufacturer's recommendations;
- Technical inspections must be carried out in accordance with the schedule and rules set out in the Warranty Card attached to this Operating Manual;
- In the event of a medical incident involving the device, immediately notify the Manufacturer via www.ensafe.one or registered letter.

4. BATTERY WARNINGS

• The battery must be stored and transported in accordance with applicable hazardous materials regulations.

• Improper storage can damage the battery and increase the risk of spontaneous combustion or explosion.

• Use only chargers approved by the Manufacturer for charging. Use of unauthorized devices may lead to overheating, fire or explosion of the battery and void the warranty.

• Batteries are sensitive to mechanical damage. Protect them from falls, impacts and extreme temperatures.

• Do not use the product if the battery is discharged or indicates a low charge level.

• Do not puncture or disassemble the battery. Mechanical damage to the battery can lead to overheating, fire or explosion.

5. ENGINE WARNINGS

• When operating the engine, it is critical to avoid contact with moving parts of the device (such as running belts) to prevent the risk of injury.

• Perform all maintenance and service only after disconnecting the battery first.

• The engine should operate only within the limits of the specified technical parameters in accordance with its documentation.

• All defects and repair needs should be immediately reported to the Manufacturer. Repairs should be performed only by authorized technical service to ensure the safety of use of the product.

6. ELECTRICAL SAFETY

• Never charge batteries or use the product near water or in high humidity conditions. Doing so risks electric shock, short circuit or damage to the device.

• Do not touch electrical components with wet hands. This applies especially to the connectors, charger and charging socket.

• Do not expose the product or battery to rain, liquid splashes, or getting wet with liquids. The device is not intended for use in environments with high humidity.

• Do not expose the battery to high temperatures or direct sunlight. This may lead to overheating, resulting in its damage.

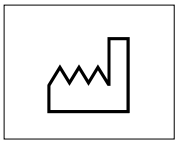
• Make sure the charging area is dry, clean and free from the risk of flooding.

• Use only original power cords and charger approved by the Manufacturer.

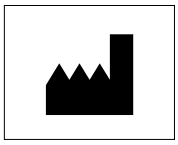
WARNING!

- DO NOT EXCEED THE MAXIMUM LOAD (MAX. 238KG)!
- NEVER LEAVE THE USER UNATTENDED!
- ONLY PROPERLY TRAINED AND COMPETENT OPERATORS SHOULD OPERATE THE PRODUCT
- DO NOT USE IN EXTREME TEMPERATURES THAT MAY AFFECT THE PERFORMANCE OF BATTERIES AND OTHER ELECTRICAL COMPONENTS
- STORE THE PRODUCT IN A DRY, VENTILATED PLACE, AWAY FROM MOISTURE AND HEAT SOURCES
- BEFORE USE, CHECK THE BATTERY CHARGE STATUS
- DO NOT USE WHEN THE BATTERY IS DISCHARGED!

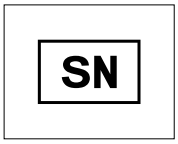
7. EXPLANATION OF SYMBOLS



MANUFACTURE DATE



MANUFACTURER NAME



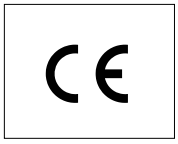
PRODUCT SERIAL NUMBER



MEDICAL DEVICE



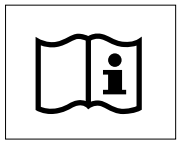
PERMISSIBLE USER WEIGHT



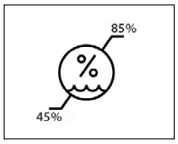
CONFORMITY ASSESSMENT



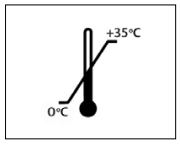
WARNINGS



PRODUCT INSTRUCTIONS FOR USE

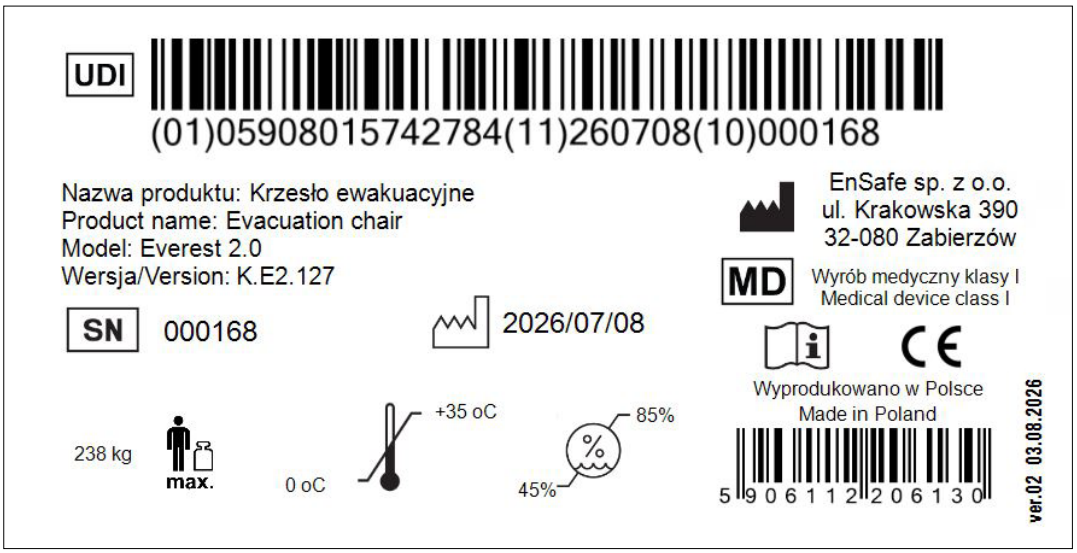


AIR HUMIDITY



STORAGE TEMPERATURE

8. LABEL



Label – contains the required information identifying and describing the medical device, including:

- name of the Manufacturer,
- model of the product,
- manufacturing date,
- serial number,
- maximum permissible load (user weight),
- CE conformity marking,
- marking classifying the product as a medical device,
- UDI identification code,
- a pictogram indicating the need to read the Instructions for Use before using the device.

The label is located on the vertical bar on the inside of the chair.
It must never be removed or covered.

9. PURPOSE AND SCOPE OF USE OF THE EVACUATION CHAIR EVEREST 2.0

The EVEREST 2.0 evacuation chair is a Class I medical device designed for the evacuation and/or transportation of people with special needs. It allows one person to safely, efficiently and comfortably move the user both on stairs (up and down) and on flat surfaces. It is used in emergency situations when rapid evacuation from a building is necessary, especially when there is no access to elevators.

Persons with special needs include: people with mobility disability (permanent or temporary) or intellectual disabilities (a person who cannot make decisions independently and is supervised by a caregiver), senior citizens, pregnant women, people with temporary injuries (e.g., lower limb fractures), overweight people who are not moving independently (the weight of a person with special needs must not exceed 238 kg).

Contraindications:

The person operating the evacuation chair (Operator) may not perform this function if:

- has not received the required training in the use of the product;
- has physical limitations that may prevent safe operation (e.g., balance problems, motor coordination, musculoskeletal conditions), does not have sufficient physical strength to maneuver the device, especially on stairs;
- has medical conditions that may affect the operator's ability to operate the device stably (e.g., epilepsy, vagus disorder), or has an implanted pacemaker;
- is not dressed appropriately: lacks stable footwear on a flat sole; clothing that is too loose, flowy or ill-fitting, which may increase the risk of catching on equipment components (moving mechanisms); clothing that restrains the operator's movements or limits his or her dexterity when maneuvering the device;
- cannot cope with operating under high stress or time pressure,
- is under the influence of alcohol, intoxicants or drugs that affect consciousness, reflexes or motor coordination.

The evacuation chair should not be used for people::

- who are unable to independently and actively maintain an upright position (e.g., with muscular flaccidity, loss of postural tension),
- who have sudden, uncontrolled muscle tensions,
- with violent tics or seizures,
- whose body weight exceeds the allowable load of the device, as specified in the technical specifications.



If in any doubt about the use of the device on a particular User, consult the User himself, his caregiver (if present), or a person responsible for medical care - such as a paramedic, doctor or qualified personnel.

Technical failure of the product:

In case of any technical failure (e.g. problems with the drive, battery or other structural components), the chair must not be used until:

1. complete repair by the Manufacturer's authorized service,
2. re-approval of the product for use.

The failure must be reported immediately to the Manufacturer, who will order the repair by a qualified service. Until it is repaired, the product must be properly protected against accidental use.

The device must not be used if the battery is:

• empty,

• damaged,

• or not working properly.

The technical condition of the battery should be checked regularly. To ensure the safe operation of the product, care should be taken to properly charge and store it in accordance with the Manufacturer's recommendations.

It is forbidden to use the product in a manner inconsistent with its intended use.

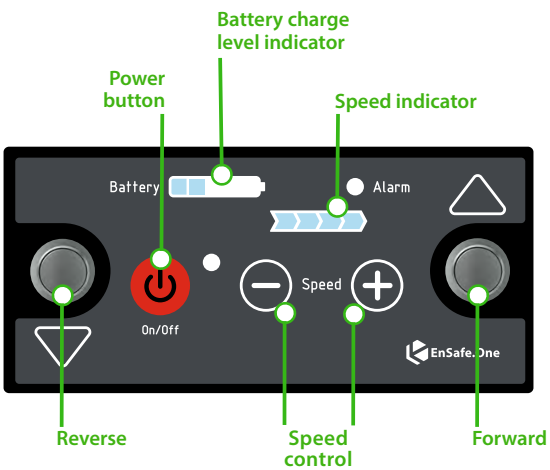
The product may be used in accordance with these Operating Instructions **by properly trained and competent operators only** as an aid to ensure safe evacuation and/or transportation of persons with special needs. The owner, manager of the building or person actually in charge of the building must provide the necessary evacuation procedures, trained personnel and periodic technical inspections of equipment involved in evacuation, including the EVEREST 2.0 Evacuation Chair (inspections should be carried out by an Authorized Service designated by the Manufacturer) and maintenance activities of the evacuation chairs. This will guarantee the safe evacuation of all Users from the facility in a situation of danger to life or health before the arrival of emergency services.

10. TECHNICAL SPECIFICATIONS





CONTROL PANEL



BATTERY WITH CHARGING EQUIPMENT





TECHNICAL SPECIFICATIONS		
Producent:	EnSafe Sp. z o.o.	
Address:	ul. Krakowska 390, 32-080 Zabierzów	
Type of device:	Evacuation chair	
Model:	EVEREST 2.0	
Risk class:	I	
Maximum allowed weight of the user:	238 kg	
Total weight of the product:	37 kg	
Main handle:	1 pc.	
Extendable front handles:	2 pcs.	
Seat belts with aircraft fasteners:	3 pcs.	
Dimensions of the chair:	Unfolded: W 158cm x S 62,5cm x G 102cm Folded: W 117cm x S 62,5cm x G 40cm	
Package dimensions:	120 x 65 x 43 cm	
Seat dimensions:	S 41 cm, W 48 cm	
Storage and usage temperature:	0°C	+35°C
Other storage conditions:	Store in a well-ventilated place. Humidity: 45%-85% relative humidity (RH).	
Construction:	Powder-coated steel and aluminum	
Engine:	BLDC 24V, 200W	
Battery weight:	2,34 kg	

11. BATTERY – STORAGE AND PRECAUTIONS:

The battery should be stored:

1. In a state of charge above 25%.
2. Away from chemicals that can cause corrosion or other chemical reactions.
3. In a place equipped with appropriate fire extinguishing agents, such as CO2 extinguishers, chemical extinguishers, blankets or fire extinguishing mats.
4. in a dry, sunless place, at a temperature between 0°C and +35°C and a relative humidity between 45% and 85%.

12. CHECK THE STATE OF CHARGE OF THE BATTERY

To check the battery charge level, press the center button (see pic 01).

There are four LEDs on the control panel, each corresponding to 25% of the battery capacity.

The battery is a consumable product.

When the battery level is low, connect it to the charger. Use only the charger provided by the Manufacturer with the product.

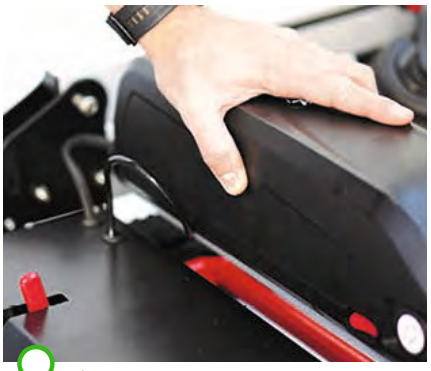






pic. 01

13. BATTERY ASSEMBLY/DISASSEMBLY



pic. 02



pic. 03

Install the battery in the mounting bracket/rail until it stops (see pic. 02) . Secure the battery against theft by turning the included key (see pic. 03). It is recommended to keep the key with the doorman or building administrator, or purchase a special case. To remove the battery, unlock it with the supplied key, then pull it out of the holder.

14. BATTERY CHARGING





Charging should be performed when switch **B2** is in the „0" position (the switch is located on one side of the battery).
Connect plug **A1** to the battery charging socket **B1**, then connect the power plug **A2** to a mains socket (230V AC).
Charging will start automatically. The charger housing features an indicator LED **A3**:
- Red light – charging in progress
- Green light – battery is fully charged

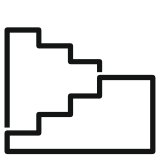
After charging is complete, first unplug the power plug **A2** from the mains socket, then disconnect plug **A1** from the battery socket.

⚠ **It is not recommended to use the device if the battery level is low (less than 25%).**
It is recommended to check the battery level once a month.

Prohibited activities and precautions:

- Do not modify or interfere with the design of the battery and charger.
- Do not use the charger or batteries if they are damaged (cracks, abrasions, over-melting).
- Do not expose the charger to moisture or high temperatures.
- Never touch any electrical components with wet hands - there is a risk of electric shock!
- The charger should only be used indoors and dry.

15. APPLICATION OF THE EVEREST 2.0 EVACUATION CHAIR



standard staircases



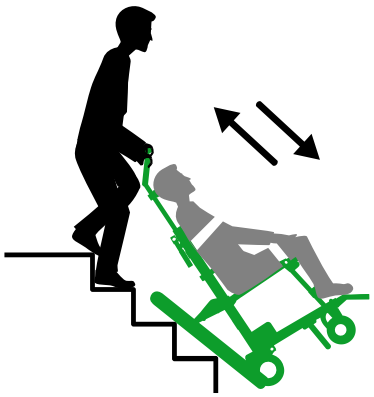
do not use on narrow or twisting staircases (winder, spiral)



optimum angle of stairs 25-35 degrees



maximum load of the chair is 238kg



Possibility to transport down and up the stairs

16. USAGE OF EVACUATION CHAIR EVEREST 2.0

⚠ **Strictly follow the Warnings for use of the product given in this Manual!**

Before use, the operator is required to inspect the technical condition of the evacuation chair - in particular, check:

1. whether the frame is free of damage and cracks,
2. whether the wheels are properly attached,
3. whether there is no looseness in the bolted connections (bolts and nuts),
4. wear and tear of running belts,
5. whether the fabrics have no abrasions/splits,
6. and verify the battery charge level.

The operator should be dressed in a manner that allows full freedom of movement. Footwear with flat soles, well-fitting, not causing discomfort and difficult to accidentally slip off is required (wearing flip-flops, among other things, is not allowed). Clothing should be ergonomic and must not restrict freedom of movement when operating the product. It is unacceptable to wear too loose, airy items of clothing that could catch or screw into moving parts of the device.

Before seating the User on the chair, assess whether it is necessary to involve additional operators to ensure the safety and smoothness of the evacuation. It is recommended to engage a person for assistance if the weight of the evacuee is more than 120 kg.
If you have any doubts about the applicability of the device to a particular user, ask directly from the user himself, his caregiver (if present) or medical personnel, such as a paramedic, nurse or doctor.
The user should be able to maintain a stable, upright body position with proper support for the legs and back, should have the straps properly fastened, and should not lean from side to side.

16.1. PREPARING FOR EVACUATION

1. Put the folded chair upright on the rear wheels.
2. Unfold the chair by holding the seat and the main handle.
3. Pull the red strap located at the height of the backrest towards you and slide out the main handle making sure it locks into the desired position. Unfold the footrest and armrests.

Make sure the brake is locked, then seat the User, fasten the seat belts*, unfold the rear handles and unlock the rear wheel brake.

**The leg strap is an optional item and should only be used if the User does not have control of the lower extremities*

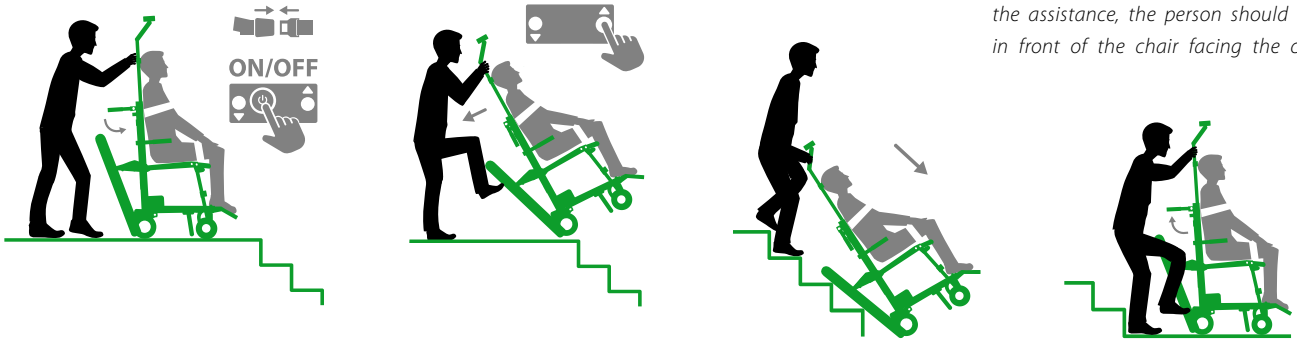


16.2. DOWNWARD EVACUATION

1. Verify whether the person being transported is wearing a seat belt. Reach the chair to the stairs. Fold down the rear handles. Set the desired climbing speed.
2. Tilt the chair on yourself to the stair descent position. Press and hold the forward travel button on the panel and begin the downward transport.
3. The moment the rear wheels touch a flat surface, release the button and adjust the chair to an upright position. Unfold the rear handles and continue the evacuation.

To ensure safety during the transfer of the user from the chair, lock the brake on the rear wheels.

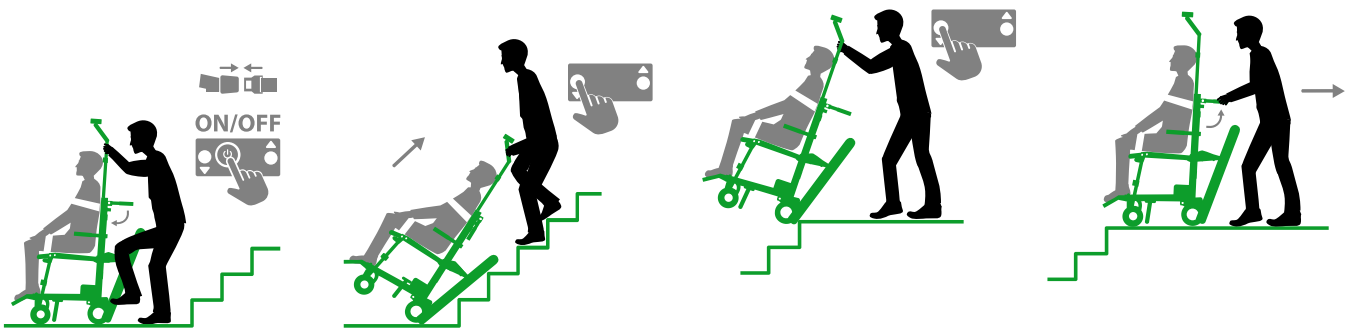
** If the decision has been made to use the assistance, the person should walk in front of the chair facing the chair.*



16.3. UPWARD EVACUATION

1. Verify whether the person being transported is wearing a seat belt. Drive the chair to the edge of the stairs. Fold down the rear handles. Set the desired climbing speed.
2. Standing on the stairs, tilt the chair on yourself to the stair climbing position. Press and hold the reverse travel button on the panel and begin stair climbing.
3. Reaching the last step of the stairs, prepare to change the position of the chair straight. At the same time, while holding the backward button, raise the chair straight. Unfold the rear handles and continue the evacuation.

* If the decision has been made to use the assistance, the person should follow the chair facing forward.



16.4. FOLDING

1. Lock the brakes on the rear wheels.
2. Lower the main handle to the minimum height while pulling the red strap located on the back of the seat.
3. Fold down the rear handles.
4. Fold down the armrests and footrests.
5. Pull the red tape located between the skids, then tilt the chair forward so that it folds down.
6. Secure the chair from unfolding using safety belts.

17. ENGINE BLOCKADE

The motor installed in the chair is equipped with an electrically controlled spring brake, which can be manually released. The release lever is shown in the illustration below and is located underneath the battery.



pic. 04



pic. 05

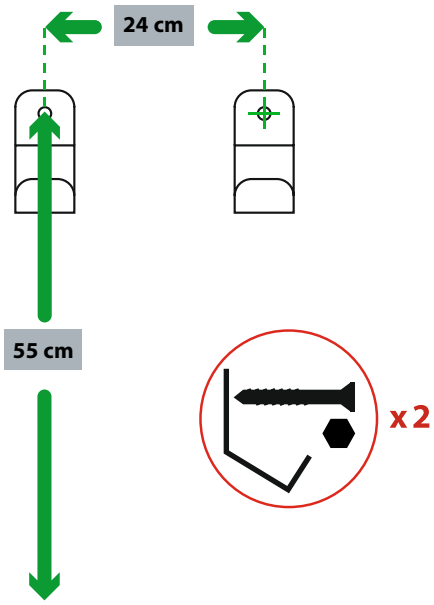
After unpacking the chair and before each use, check if the lever is in the "1" position (facing the top of the chair - see pic. 04).

In exceptional cases, if the battery becomes discharged during evacuation, it is possible to continue the evacuation (downward only). To do this, the motor brake must be released (move the lever to the „0" position – see pic. 05). In such a situation, the assistance of an additional support person is required to operate the lever.

The operator must not release the chair while the brake is being disengaged!

18. WALL MOUNTING

1. Unpack the package, and then check the completeness of its contents.Prepare the installation site by checking the absence of technical installations (gas, plumbing, electricity, etc.). Install the brackets at a height of 71cm from the floor. Drill holes and install wall plugs, then hang the hooks. In the case of a wall other than concrete, select the appropriate type of studs. The manufacturer is not responsible for damage to the building or the chair resulting from installation by unauthorized persons or outside the Manufacturer's Authorized Service.
2. Hang the chair on the attached brackets, making sure it is hung stably and the wheels touch the ground.
3. Optional (accessory): use a protective cover and stick the evacuation chair sign.

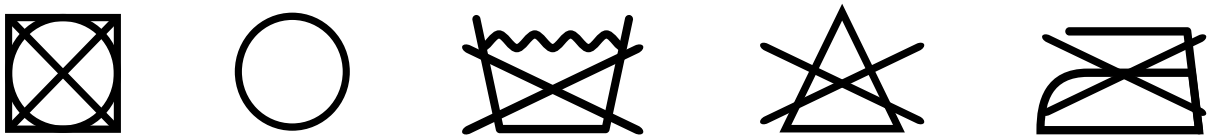


19. CLEANING AND STORAGE

Clean exposed metal parts with a slightly wetted cloth/sponge with the help of generally available cleaning agents designed for such surfaces and wipe dry. Do not use high-pressure water - it can penetrate joints and eliminate lubricants, increasing the risk of compontent corrosion. Failure to comply with this recommendation may affect the lifespan of the product.

Disinfection of the structure should be carried out with commercially available products for surface disinfection.

Textiles should be cleaned chemically. Do not wash. Do not bleach, do not chlorinate. Do not iron. Do not tumble dry.



Do not tumble dry | Dry cleaning | Do not wash | Do not bleach or chlorinate | Do not iron

The device should be cleaned after each use.
The product should be left to dry completely before storage.
The product should be stored in a dry, clean, ventilated place at a temperature between 0°C do +35°C and relative humidity maintained at 45%-85%.

20. TECHNICAL INSPECTIONS

The product must be serviced annually to verify its efficiency and compliance with the safety requirements specified by the Manufacturer at the time of placing the product on the market.
Inspections may be performed only by an Authorized Service Center designated by the Manufacturer, with qualified technical personnel.
In the absence of a current annual inspection (as indicated on the Warranty Card), the product must be immediately protected from further use and stored until service is performed. If the inspection is not performed, the product should be withdrawn from use, disposed of in accordance with applicable regulations or reported to the Manufacturer for further handling.

EnSafe sp. z o.o. shall not be liable for the use of a product that has not passed the mandatory technical inspection allowing further operation.

Maintenance activities listed below can be performed by a trained operator:

- Manual evaluation of nut and bolt fastening: stability, no movement of components, no twisting, no looseness of connections;
- Inspection of the wheel brake: the brake performs its function, the wheels are locked;
- Battery charge status;
- Technical condition of the control panel, operation of the control buttons (on/off, up/down, speed change);
- Technical condition of the chair - visual assessment: no cracks, fractures, signs of corrosion, for textile elements (seat, headrest, straps): no abrasions, or damages;
- Belts in the skids: visual assessment - no cracks, excessive abrasion, delamination.

Inspection should be carried out each time before use or at least once a year (if properly stored).

If you find any irregularities in the technical condition of the chair or its individual components, immediately secure the product from further use and contact the Manufacturer.

If the above recommendations are not followed, the product should be UTILIZED AND REPORTED TO THE MANUFACTURER or WITHDRAWN FROM USE.

21. FAILURE

In case of failure of the product, it should be secured and properly labeled to prevent its use. Then report it to the dealer and/or the Manufacturer, who will order a visit from an Authorized Service Technician.

For contact details, **www.ensafe.one**

22. LIFESPAN AND DISPOSAL OF THE PRODUCT

Dispose of the used product for recycling in accordance with national regulations.

23. WARRANTY

Details of the warranty can be found on the enclosed warranty card.

Manufacturer:
EnSafe sp. z o.o.
ul. Krakowska 390
32-080 Zabierzów, Poland

Trade name of the product: **Evacuation chair Everest 2.0**

Country of origin: Poland

Product information:

Class I Medical Device, according to Rule 1, annex VIII REGULATION (EU) 2017/745 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 5 April 2017 on medical devices, amending Directive 2001/83/EC, Regulation (EC) No 178/2002 and Regulation (EC) No 1223/2009 and repealing Council Directives 90/385/EEC and 93/42/EEC.

Contact Manufacturer: **biuro@ensafe.one**

MD CE

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