

Installation- and operating instruction

for Vault Room and Door ECBS I (safety grade I)

With buying this vault room and door you have chosen a high quality product with a defined protection against burglary, safety grade I according to Euro-Norm EN 1143-1:2012. Please take the time to read this instruction completely and carefully

1. Security:

The assured protection against burglary according to safety grade I is only given if the room has been installed according to attached operation instruction.

2. Operation

Opening of the room door equipped with a tested double bit lock:

- Insert the double bit key into the lock
- Turn the key clock-wise all the way to the stop
- Turn the door handle clock-wise all the way to the stop
- Open the door

Closing of the vault door is effected in reverse order as opening

- Please note, you can deduct the double bit key only when the lock is closed.

If your door is equipped with a mechanical or electronic code lock, please note the **attached operating instruction**.

3. Please note: Two keys are as standard with the double bit lock. These wear off earlier or later depending on application frequency. If additional keys are needed, we will need the original key as a presentation for safety reasons. In this way we can eliminate that other people can order duplicate keys. Please contact your supplier for this subject.

If you lost the key the lock has to be replaced for safety reasons.

4. Service and care

- According to the using frequency the door hinges have to be greased from time to time. Inject the hinge with standard penetrating oil ("BALLISOL" for example) and wipe off the excess oil if needed.
- The locking bolts are easy to oil in extended position.
- Cleaning can be done with a moistened cloth.

5. Operating safety and guarantee

- For damages of property and financial losses which appeared because of disregard of the standards for maintenance as well as incorrect using and operation, the producer will not assume liability.
- Keep the keys carefully, if you lose it you can open the door only with violence.
We expressly point out that any warranty for safety and function expires in case of even little manipulation. This is applied for fire and burglary attempts in particular.

Important advice for technical staff for service and repair measures at the lock and bolt work:

For extension and assembly of the fire protective plate, please bend its shank only as much as necessary. If the resistance reduces observable the fire protective plate has to be replaced.

6. Insurability

Insurability if professional anchorage*:

- Commercial using up to ca. 20.000 EUR
- Private using up to ca. 65.000 EUR

Connection with a burglar alarm system will double the insurance sum accordingly.*

**Informational values only. Please contact your insurance to find out the exact insurance sum!*

Please contact your insurance agent for all questions concerning the insurance. If a professional anchorage isn't possible because of technical reasons (floor heating etc.) please ask your insurance agent in this case.

Please note: In case of omitted or inappropriate anchorage your insurer isn't liable for the accrued damage of property or financial loss.

7. Installation & anchorage of the worth shelter door

Please check that the vault room load doesn't outrun the acceptable load of the route of transportation as well as the installation location **before installation**. Please get an advice of your structural engineer or architect in case of doubt.

The following things must be pointed out for anchoring:

- The floor in which the vault room will be anchored has to be suitable for anchoring. In order to reach the characteristic loading capacity of the dowels the floor has to have a concrete grade of C20/25 or higher. If this is not given the location has to be changed if applicable. Floating screed or something like that isn't suitable for anchorage.
- There shouldn't be any cables, lines, pipes or something like that in the boring area.
- During installation you are not allowed to indicate more holes into the vault room door. If you change the construction, the acceptance and potentially the insurance coverage will terminate

Suitable for anchoring are, for example: MKT stamping anchor type EM 12x50, or Upat USA stamping anchor M 12 (property class 8.8) or an equal anchoring element of other producers.

Please follow the installation guide of the particular dowel producer because only in this way the necessary minimum forces will be guaranteed.

8. Insertion and adjustment

1. Check the dimensions of the wall opening. The wall anchors need to have enough space after bending.
2. The door will be delivered in a locked and closed way with the fitting lying upward. Check the locking mechanism in the delivered condition (lock- and bolt operation).
3. Position the closed door in the wall opening and brace it against tilting over in both directions.
4. The door can be adjusted and fixed in the wall by using dowels through the screwing holes on the side. Moreover it is helpful to use adequate timber wedges on suitable positions.
5. After fixing open the door carefully and check the free travel of the door wing in all directions. Please note that there has to be a space of min. 1cm under the door wing within the whole pivoting area.
6. The door wing has to stop in each opening angle and is not allowed to pivot independently.
7. The door must be able to be closed and locked in an easy way, the gap between door and frame must have a constant dimension all around.
8. Bend all wall anchors to the outside as far as possible and rework the anchor cases to get more space, if necessary.

Sealing of the door frame

1. The door can be sealed in closed or opened condition with a high-strength grout. When the door is open it has to be fixed with wedges at 90° opening angle.
2. According to the consistency of the grouting material you have to obstruct suitable piling material.
3. Insert the grouting material by stoking and rapping according to the working instructions. Don't use a compactor as the fixing could change or be determined in this case.

Function control

After hardening of the grouting material you can remove the wedges and execute the function control. Adjust the setting screws, if necessary.

Security advice:

The grouting material has to be void-free and completely installed, otherwise the accordant protection against burglary is not given. After burglary or burglary attempt as well as manipulation of the lock or bolting system any warranty for insurance coverage and protection against burglary will expire.

1. Security:

The room protection of the door opening is given by the specified installation of the steel-security-door according to this instruction.

If the room and its walls, ceiling and floor **equates to the needed resistance against burglary** grade I according to EN 1143-1 (50 RU for the complete access) has to be judged by an independent administration. Please contact your insurance agent, the responsible police authority as well as a helpdesk of the criminal investigation department for further information.

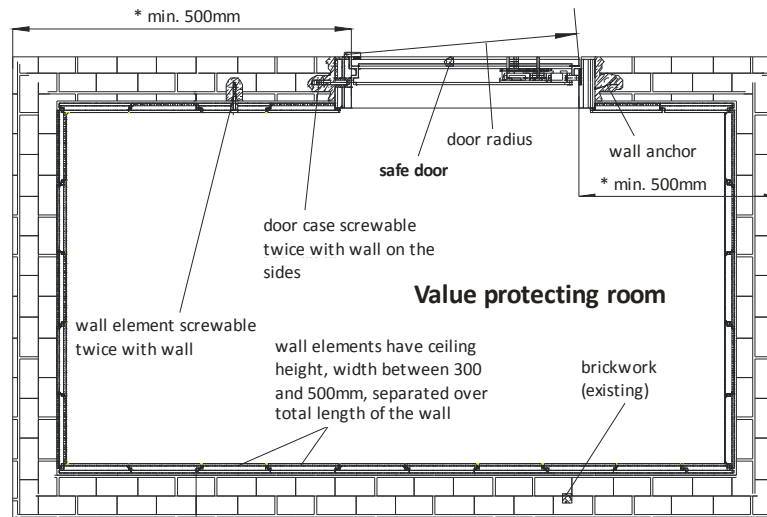
Existing windows, light wells or the like have to be walled up. Ventilation systems are not allowed to have weak spots concerning burglary.

Possibly modification of the room is necessary by backing with wall, ceiling and floor modules.

In case of professional anchorage of this modules the needed protection against burglary grade I is given then analogical to the door.

Anchorage of the backing modules means that additional statical building loads arise, which have to be permitted by building authorities.

The dimensions 500mm (*) left and right of the door angle to the outside of the wall may not be undercut due to security reasons.



While installation of a **steel-security-door** can be made **on your own** according to the operating instruction, the **projection** and **backing of the room** has to be made by **authorized staff** of the supplier.

As the backing modules have to be welded with each other with defined **welded seams**, their assembly is not possible in explosion proof areas.