

Note on English translation / Hinweise zur englischen Fassung

This is a translation of the product data sheet valid in Germany.

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Drywall Systems

E139.de

Product Data Sheet

2019-03

SYSTEM X-Ray Shielding Safeboard

Access panel for X-ray shielding systems with Safeboard

Product description

SYSTEM X-ray shielding Safeboard is an access panel consisting of:

- Anodised aluminium outer frame
- Openable and fully detachable hatch
- Factory installed flush mounted adhesively bonded Safeboard

Properties and added value

- All-purpose use for cladding thicknesses 12.5, 25 and 37.5 mm
- Can be retrofitted
- Can be tiled
- Protection against radiation without lead

Field of application

Installation in Safeboard X-ray shield partitions / Safeboard furrings / Safeboard ceilings with cladding thickness 12.5, 25 and 37.5 mm.



Design

It can be installed together with the substructure / grid or when the cladding is applied.

Trimmer

Arrange trimmers made of CD channels or CW studs or UW runners in the grid in accordance with the dimension of the access panel.
Mount 4 additional suspenders in the corner areas of the access panel when mounting in ceilings.

See the design details and the scheme drawings on the following pages.

Cladding

Manufacture the cut-out to suit the quantity and combination of cladding layers in the following drawings. Screw fasten the ceiling cladding to the trimmer profiles as well.

Subsequent installation

The cladding must be sawed out for subsequent installation of the access panel. Apply a frame made of circumferential profile sections (CD, UW or CW) and attach them with screws (screw spacing ≤ 150 mm).

Installation of the access panel

Place gypsum board frame of the access panel on the profile trimmer, place it on the cladding, align and screw attach. Use Diamant Screws XTN for the attachment of the gypsum board frame to the grid. At least 3 screws per frame side. Distance between screw centres maximum 150 mm. The required screw length depends on the cladding thickness:

- Single-layer cladding: XTN 3.9 x 23
- Double-layer cladding: XTN 3.9 x 38
- Triple-layer cladding: XTN 3.9 x 55

Subsequently insert the hatch and check the lock for proper functioning

Jointing

Fill gypsum board frame of access panel and the ceiling or surface cladding. In case of Safeboard as a visible layer use Safeboard filler (1st work step) and Uniflott (2nd work step), in case of Diamant as a visible layer use Uniflott for both steps. Recommendation: Fill the joint between the surface cladding and gypsum board frame with Fugendeckstreifen Kurt Joint Tape. It is not necessary to fill or skim the hatch to surface quality Q2 with flush adhesively bonded Safeboard or Diamant board. For surface quality Q3: Scrape skim hatch face.

Clean outer frame and hatch thoroughly after jointing.

| | |
|--------------|---|
| Notes | With wall mounted access panels, the lock system is always at the top and the hinge system is always at the bottom. No cladding board joints are allowed near the access element. |
| | Access panel for ceiling installation deviates from the wall mounted access panel. Installation according to installation instructions |
| | Observe the installation instructions enclosed with the product. Construction of the systems in accordance with the Knauf Safety Engineering Brochure ST01.de |

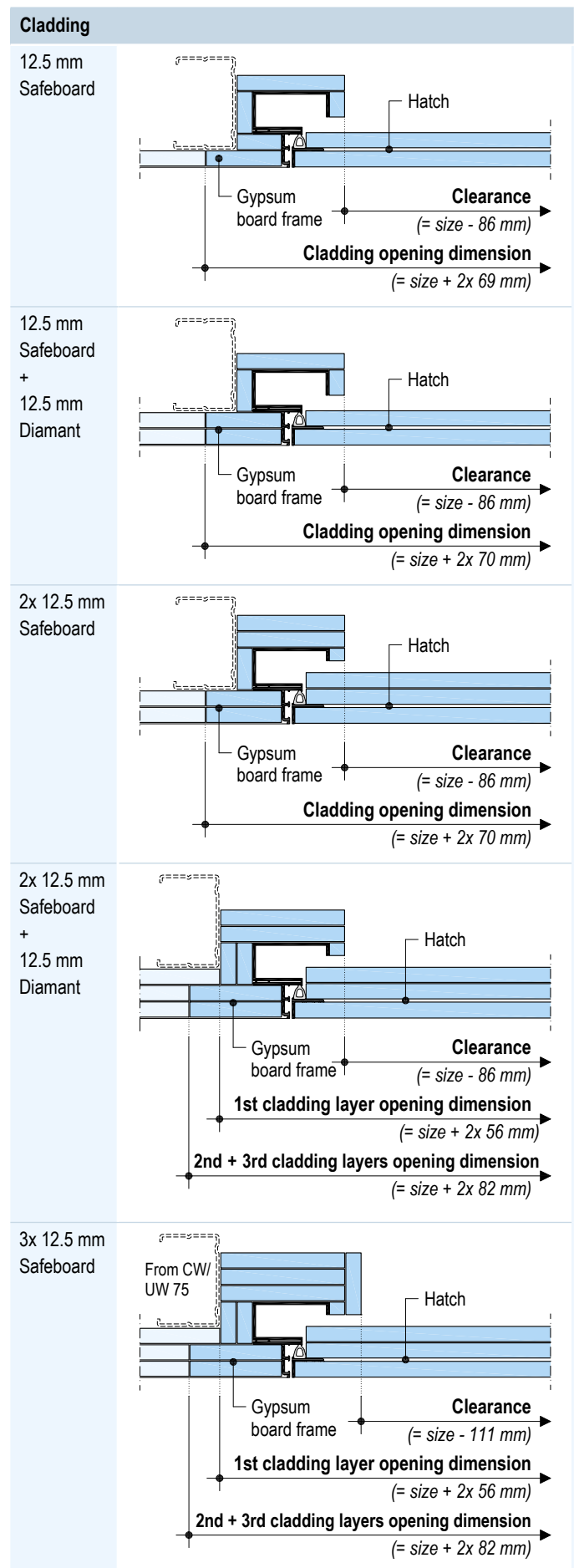
Coatings and linings

Surface treatment of the access panels with gypsum board inlays in acc. with the Knauf Safety Engineering Brochure ST01.de.

Note for the painter

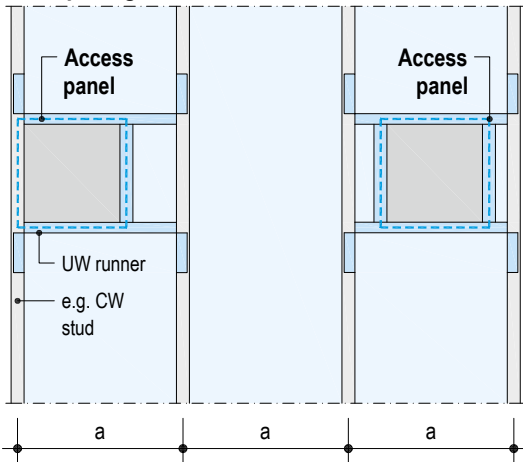
Generally remove the access panel hatch before coating and paint separately so that no paint penetrates the narrow joint between the hatch and the outer frame.

Clean any paint remnants from the frame.

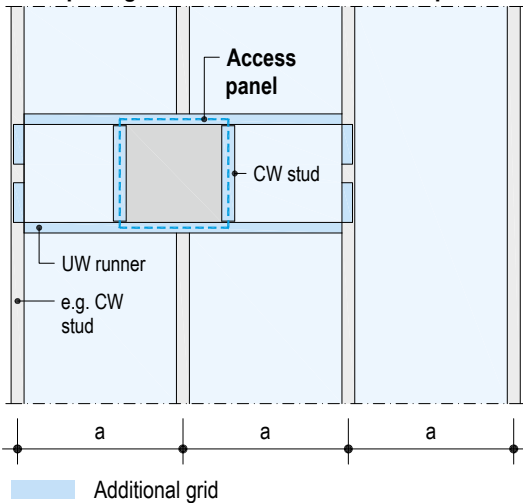


Examples, scheme drawings wall installation

Stud spacing a continuous

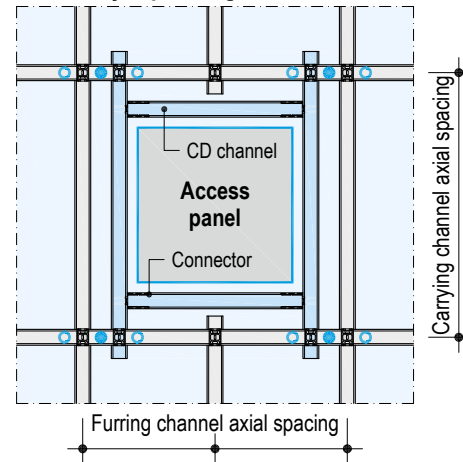


Stud spacing a with cut stud and trimmer profiles



Example, scheme drawing ceiling installation

Double layer profile grid



- Additional grid
- 4 additional suspension points (e.g. Nonius suspension)
- Alternative suspension points

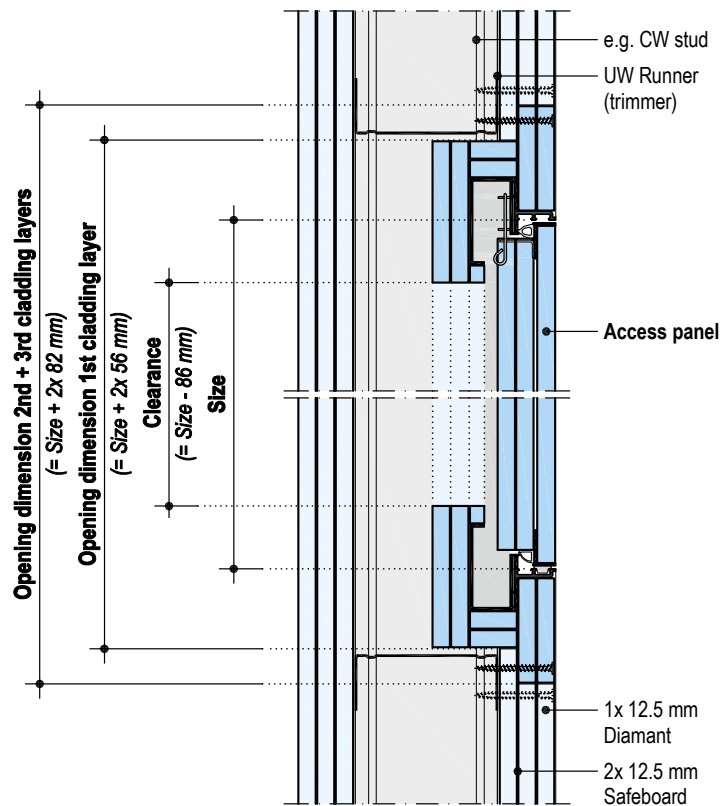
Universal connectors are required for the trimmers. Further suspenders are required if the suspended profiles are to be exchanged.

Design details

Scale 1:5 | Dimensions in mm

E139.de-V1 SYSTEM X-ray shielding Safeboard - vertical section

e.g. application 2x 12.5 mm Safeboard + 12.5 mm Diamant



Note

With cladding 3x 12.5 mm Safeboard
Clearance = Size - 111 mm

Product range

| Description | Width x length mm | Packaging unit | Material number | EAN |
|----------------------------------|-------------------|-----------------|-----------------|---------------|
| SYSTEM X-Ray Shielding Safeboard | 300 x 300 | 1 pieces / pack | 00146403 | 4003982208866 |
| | 400 x 400 | | | |
| | 500 x 500 | | | |
| | 600 x 600 | | | |
| | Customized | | | |

Required specifications for ordering

- Dimension of the access panel (width x length)
- Installation, for example, in the ceiling, installation wall
- Cladding thickness
- Cladding type

Additional options / special designs

- Intermediate dimensions
- Airtight and dust-proof (class 3, EN 1026+12207, suction and pressure)



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