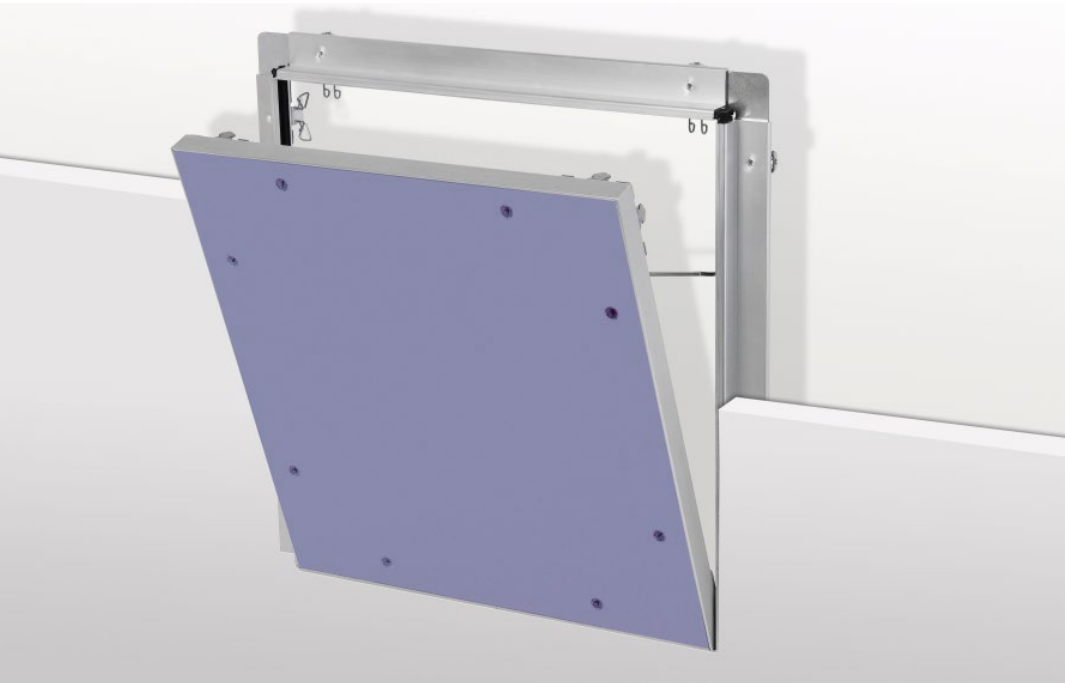


#### Note on English translation / Hinweise zur englischen Fassung

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

All stated details and properties are in compliance with the regulations of the German standards and building regulations. They are only applicable for the specified products, system components, application rules, and construction details in connection with the specifications of the respective certificates and approvals.

Knauf Gips KG denies any liability for applications outside of Germany as this requires changes acc. to the respective national standards and building regulations.



#### Drywall Systems

## E125b.de

Product Data Sheet

2019-10

# REVO BS90 Wand 25

Access panel for Knauf partition systems with fire resistance

#### Product description

REVO BS90 Wand 25 is an access panel consisting of:

- Anodised aluminium outer frame
- Openable and fully detachable hatch
- Flush screw fastened Diamant board (hard gypsum board) ex-works
- Seal

#### Properties and added value

- Can be used for cladding thickness 25 mm
- Can be tiled

#### Field of application

Installation in Knauf partition systems with up to one and a half hour fire resistance (F90) with cladding thickness 25 mm.

## System variants

Fire resist- ance class	Cladding per wall side				Insulation layer	
	Knauf Bauplatte wallboard	Piano fire-resistant board	Diamant	Silentboard	Minimum thickness	Min. density
					mm	kg/m³
<b>W112.de Metal stud partition</b> , single metal stud frame, double-layer cladding						
F30	•				2x 12.5	
F90		•			2x 12.5	
		•	•		12.5 + 12.5	Without or Mineral wool <b>G</b>
			•		2x 12.5	
			•	•	12.5 + 12.5	
			•		2x 12.5	
<b>W115.de Metal stud partition</b> – decoupled double stud partition						
F90		•			2x 12.5	
		•	•		12.5 + 12.5	Without or Mineral wool <b>G</b>
			•		2x 12.5	
			•	•	12.5 + 12.5	
<b>W116.de Metal stud partition</b> – linked double stud partition						
F30	•				2x 12.5	
F90		•			2x 12.5	Without or Mineral wool <b>G</b>
			•		2x 12.5	

**G** Mineral wool insulation layer acc. to EN 13162, non-combustible (insulating material, e.g. from Knauf Insulation)

## Certificate of Usability

## Fire resistance proof

■ AbP P-3310/563/07-MPA BS

## Application

## Trimmer

Arrange trimmers made of CW studs or UW runners in accordance with the dimensions of the access panel in the partition frame. Maintain spacings between cut-out section and trimmer profiles of at least 24 mm and a maximum of 30 mm.

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

## Cladding

Cut out opening in the partition cladding approx. 12 mm larger than the access panel size (= clearance). Screw fasten the partition cladding to the trimmer profiles as well.

In case of larger hatch dimensions, the installation of the outer frame must be undertaken together with the partition cladding installation (swivelling into cladding already installed is not possible).

## Installation of the access panel

Cladding	
2x 12.5 mm	

Place outer frame of the access panel in the opening, lay it on the cladding, align and screw attach. Use Schnellbauschrauben drywall screws TB 3.5 x 45 mm or Diamantschrauben screws XTB 3.9 x 55 mm for the attachment of the cladding to the frame. Distance between screw centres maximum 200 mm.

Subsequently insert the hatch and check the lock for proper functioning.

## Jointing

Fill the outer frame of access panel and the cladding surface with Uniflott. It is not necessary to fill or skim the inner frame to surface quality Q2. Fill in the screw heads. For surface quality level Q3 scrape skim the hatch face. Clean outer frame, hatch, and in particular the seal thoroughly after filling.

Notes	With rectangular ceiling access panels, the lock and hinge system is always mounted as standard on the long side. With wall mounted access panels, the lock system is always at the top and the hinge system is always at the bottom.
	A clearance of $\geq 30$ mm must be ensured in the upper third of the rear side of the hatch for opening the panel.
	No cladding board joints are allowed near the access panels.
	Observe the installation instructions enclosed with the product.
	Construct the Knauf systems in accordance with the respective Knauf System Data Sheets.

## Coatings and linings

Surface treatment of the access panels with gypsum board inlays in acc. with the Knauf System Data Sheet W11.de.

## Access panel designed for tiling

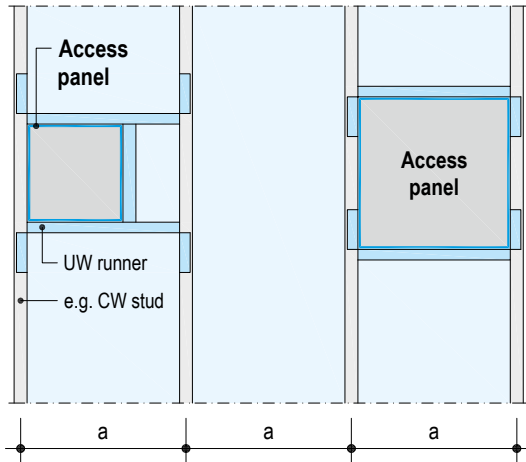
Only apply the tiles using the thin bed method (max. adhesive thickness and tile 9 mm). Fill joint between cladding and outer frame after installation of the access panel. The edge of the wall tile can be directly applied on the clearance dimension. Install seal (included).

## Note for the painter

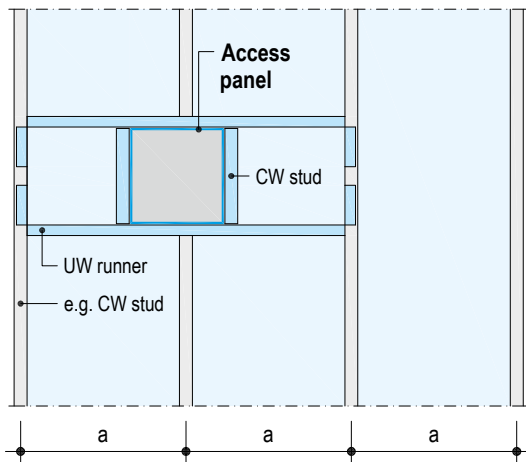
Generally remove the access panel hatch before painting separately so that no paint penetrates the narrow joint between the hatch and the outer frame. Clean any paint remnants from the frame.

## Examples, scheme drawings

### Stud spacing a continuous



### Stud spacing a with cut stud and trimmer profiles

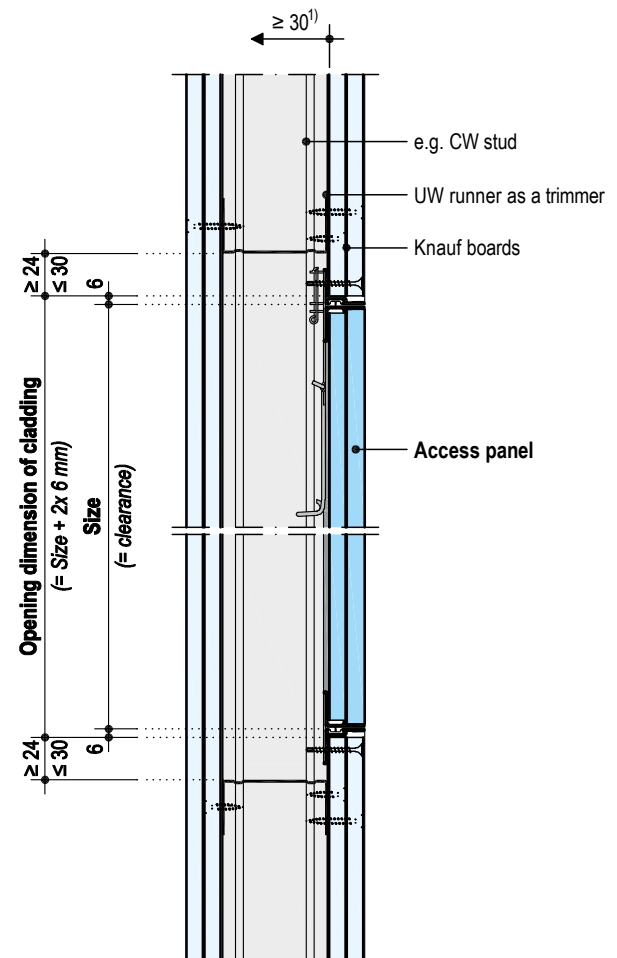


Additional grid

## Design details

Scale 1:5 | Dimensions in mm

### E125b.de-V1 REVO BS90 Wand 25 – vertical section



1) Opening displacement clearance of the access panel

## Product range

Description	Width x length mm	Weight kg/piece	Packaging unit	Material number	EAN
REVO BS90 Wand 25	200 x 200	1.9	1 piece / pack	00220724	4003982232199
	300 x 300	3.3		00220735	4003982232205
	400 x 400	5.1		00220739	4003982232212
	500 x 500	7.3		00220740	4003982232229
	500 x 600	8.3		00220741	4003982232236
	600 x 600	10.6		00220742	4003982232243
	Customized	–		00111925	4003982203915

## Required specifications for ordering

- Dimension of the access panel (width x length)
- Additional options / special designs

## Additional options / special designs

- Intermediate dimensions at least 200 x 200 mm, maximum tested dimension: 600 x 1200 mm
- Airtight and dust-proof access panel (EN 1026+12207 class 3, suction and pressure)
- Four-square bolt
- Round cylinder lock
- Lock designed for profile cylinder
- Access panel for tiling: Specify the tile dimensions (width x height), joint width, adhesive thickness, tile thickness and cladding thickness (The exact clearance is determined by the tile format)

## Note

For on-site tiling

- Maximum tile thickness: 7 mm,
- Maximum area weight of the tiles: 8 kg/m<sup>2</sup>,
- Maximum dimension of the access panel with tiling: 600 x 800 mm



Videos for Knauf systems and products can be found under the following link:  
[www.youtube.com/knauf](http://www.youtube.com/knauf)



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## Knauf Direct

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