

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

This is a translation of the product 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.

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Drywall Systems

E121.de

Product Data Sheet

2018-11

## REVO BS30 Decke

Access panel for Knauf ceiling systems with fire resistance

#### Product description

REVO BS30 Decke 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

- All-purpose use for cladding thicknesses 18, 20 and 25 mm
- Can be retrofitted

#### Field of application

Installation in the Knauf ceiling systems with 30 minute fire resistance (F30) and suspended ceilings without building physics requirements with cladding thicknesses of 18, 20 and 25 mm.

## System variants

Fire resistance		System			Cladding (lateral application)					Furring channel	Insulation layer		
For fire exposure		D112.de Knauf Board Ceiling with metal grid	D113.de Knauf board ceiling with flush metal grid	D116.de Knauf board ceiling with large-span flush metal grid	Knauf Plano fire-resistant board	Knauf fire-resistant board	Massivbauplatte Solid Board	Diamant	Silentboard	Minimum thickness mm	Max. axial clearances <div>b</div> mm	Required for fire resistance	
From below	From above											Minimum thickness mm	Minimum Density kg/m³
F30	–	<div>plus</div>	•	<div>plus</div>	•					2x 12.5	500	Without or Mineral wool <div>G</div>	
								•		2x 12.5	500		
		<div>plus</div>		<div>plus</div>				•	2x 12.5	400			
								•	20	625			
–	F30	•				•			18	625	Mineral wool <div>S</div>		
F30	F30	<div>plus</div>		<div>plus</div>	•					2x 12.5	500	40	40
								•		2x 12.5	500	Mineral wool <div>S</div>	40
								•		2x 12.5	400	150 mm wide on carrying channel	
		•			•					2x 12.5	500	Without or Mineral wool <div>G</div>	
								•		2x 12.5	500		
								•		2x 12.5	400		

(S) Mineral wool insulation layer acc. to EN 13162, non-combustible, melting point  $\geq 1000$  °C acc. to DIN 4102-17 (insulating materials e.g. from Knauf Insulation)

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

## Certificate of Usability

## Fire resistance proofs

## ■ AbP P-2100/199/15-MPA BS

The specifications marked with **plus** offer additional application options, which are not directly included in the Certificate of Usability. On the basis of our technical assessments, we assume that these marked design solutions can be assessed as a non-significant divergence. We can make the documentation on which this assessment is based, such as surveyors' reports or technical assessments, available to you together with the Certificate of Usability on request. We recommend that a non-significant divergence be coordinated and authorised in advance in consultation between the persons responsible for fire resistance and/or the relevant authorities.

## Design

## Trimmer

Arrange trimmers made of CD channels in accordance with the dimension of the access panel in the ceiling frame. Mount 4 additional rigid suspenders in the corner areas of the access panel.

For size 300 x 300 mm, the installation without additional trimmer is possible if the access panel is installed in a free section.

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

## Cladding

Cut out opening in the ceiling cladding approx. 20 mm larger than the access panel size (= clearance + 35 mm). Screw fasten the ceiling cladding to the CD trimmer profile also.

## Retrofitting

The cladding must be sawed out for subsequent installation of the access panel. The opening should be backed with circumferential profile pieces (CD, required edge spacing for contact surfaces of the tabs must be considered) and fix with screws (screw spacing  $\leq 150$  mm).

## Installation of the access panel

Install the supplied tab parts corresponding to the cladding thickness of the Knauf systems on the outer frame.

Cladding	
18 mm	
20 mm	
2x 12.5 mm	

### Design (continued)

At least:

- 1 metal tab per panel side or alt. 2 metal tabs per lock/hinge side with dimensions  $\leq 400 \times 400$  mm
- 2 metal tabs per panel side for dimension  $> 400 \times 400$  mm

Place outer frame of the access panel in the opening, lay it on the cladding with the tabs, align and attach with screws.

Use Drywall Screws TB or Diamant Screws XTb (two screws per metal tab) for the attachment of the frame to the cladding. The required screw length depends on the cladding.

Apply AMF covering strips to all tabs. Subsequently, insert the hatch and check the lock for proper functioning.

### Jointing

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

#### Notes

- With rectangular ceiling access panels, the lock and hinge system is always mounted as standard on the long side.
- No cladding board joints are allowed near the access panels.
- Observe the installation instructions enclosed with the product.
- Construct the ceiling systems in accordance with the most current Knauf System Data Sheets.

### Coatings and linings

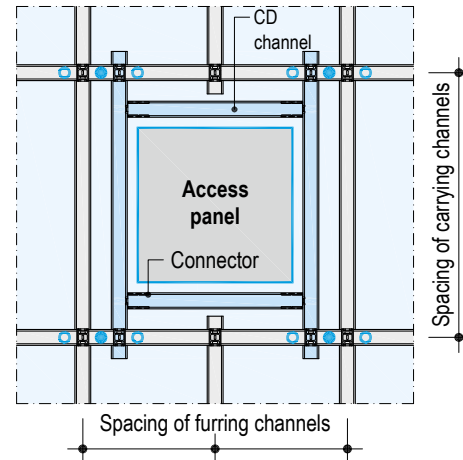
Surface treatment of the access panels with gypsum board inlays in acc. with the Knauf System Data Sheet D11.de.

### Note for the painter

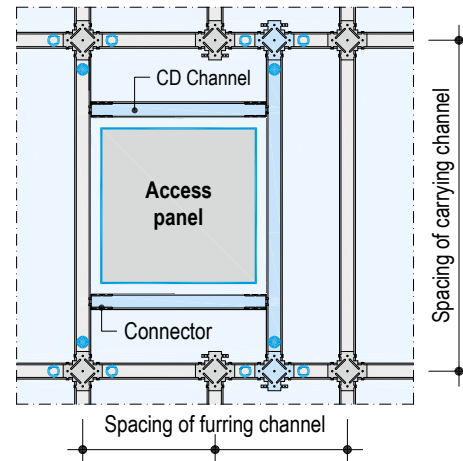
Generally remove the access panel hatch before painting separately so that no paint penetrates the narrow joint between the hatch and the outer frame. Clean any paint remnants from the frame.

### Examples, scheme drawings

#### Double-level metal grid (e.g. D112.de)

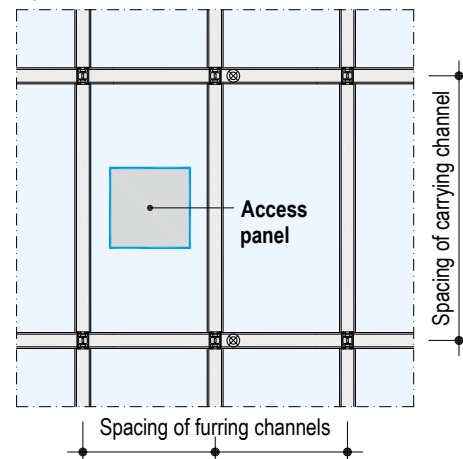


#### Flush metal grid (e.g. D113.de)



#### Installation without trimmer

e.g. With access panels 300 x 300 mm



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

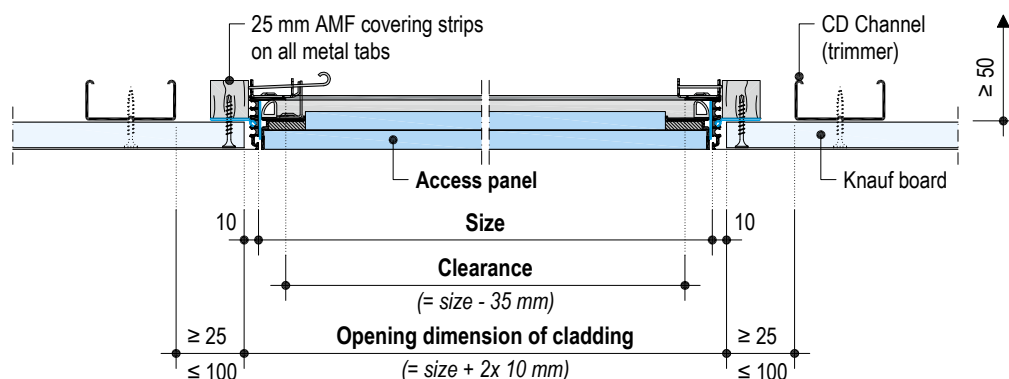
Universal connectors are required for the trimmer. Further suspenders are required if the suspended profiles are to be exchanged.

## Design details

Scale 1:5 | Dimensions in mm

## E121.de-V1 REVO BS30 Decke – vertical section

e.g. Ceiling system, 18 mm version



1) Clearance to basic ceiling / installations

## Product range

Description	Dimensions mm	Weight kg/piece	Packaging unit	Material number	EAN
REVO BS30 Decke	300 x 300	4.0	1 piece / pack	00481191	4003982323606
	400 x 400	6.0		00481192	4003982323613
	500 x 500	8.0		00481195	4003982323620
	600 x 600	11.0		00481197	4003982323637
	Customized	–		00481201	4003982323675

## Required specifications for ordering

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

## Additional options / special designs

- Intermediate dimensions at least 300 x 300 mm, maximum 600 x 600 mm
- Airtight and dust-proof access panel (EN 1026 + 12207 class 4, suction and pressure)
- Smoke-proof (DIN 18095-2)
- Four-square bolt
- Round cylinder lock
- Lock designed for profile cylinder



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