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Drywall Systems

E144.de

Product Data Sheet

2019-04

# F-TEC Disinfectant-proof

Access panel for ceiling systems

## Product description

F-TEC Disinfectant-proof is an access panel consisting of:

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

## Properties and added value

- Disinfectant-proof (acc. to TRGS 522)
- All-purpose use for cladding thickness 12.5 and 25 mm
- Can be retrofitted

## Field of application

Installation in the Knauf ceiling systems with cladding thicknesses of 12.5 mm and 25 mm. Specially designed for quarantine units in hospitals for the treatment of illnesses transmitted through the air, in accordance with the German Law on the Prevention and Control of Infectious Diseases, where sealing of the ventilation/air-conditioning systems in the ceilings (without fire protection requirements) must be assured.

## Installation

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

### 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.

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

### Cladding

Cut out opening in the ceiling cladding 5 mm larger than the access panel size (= clearance + 130 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. Apply a frame backing made of circumferential profile sections (CD profiles) and attach them with screws (screw spacing  $\leq 150$  mm).

### Installation of the access panel

Cladding	
12.5 mm	
2x 12.5 mm / 25 mm	

1) Scope of delivery

2) Spacer strips are included in the packaging.

Apply the silicon sealing cord around the trimmers. Place gypsum board frame of the access panel on the profile trimmer, place it on the cladding, align and screw attach.

Use Drywall screws TN or Diamant Screws XTN for the attachment of the gypsum board frame to the grid.

At least:

- 3 screws per frame side for hatch size 400 x 400 mm,
- 4 screws for hatch size 600 x 600 mm.

The required screw length depends on the cladding.

Glue the disinfectant sealing frame to the hatch.

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

### Jointing

Fill gypsum boards frame of access panel and the ceiling surface with Uniflott. 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 inner frame to surface quality Q2. For surface quality Q3: Scrape skim hatch face. Clean outer frame, hatch, and in particular the seal thoroughly after filling.

### Notes

To open the hatch allow a spacing to the raw ceiling / installation  $\geq 40$  mm on the rear side of the hatch.

No cladding board joints are allowed near the access panels.

Exchange the seals after one year or a maximum of 10 fumigation procedures or if a leak is detected.

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 Sheets for system respective system.

Hatch: ready to use surface.

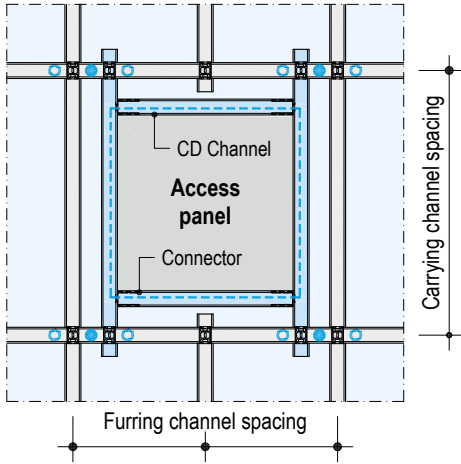
### Note for the painter

Always remove the access panel hatch before painting so that no paint penetrates the narrow joint between the hatch and the outer frame.

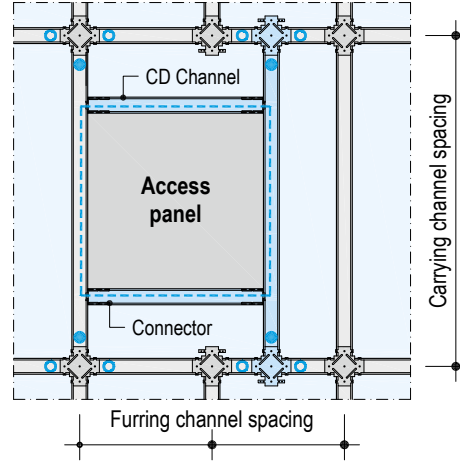
Disinfectant-proofing acc. to TRGS 522 is only guaranteed when a paint coat of abrasion-proof Latex paint resistant to formaldehyde and ammonia acc. to DIN 53778 on a fibre-glass wallpaper is used.

Examples, scheme drawings ceiling installation

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



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



Additional grid

4 additional suspension points (e.g. Nonius suspension)

Alternative suspension points

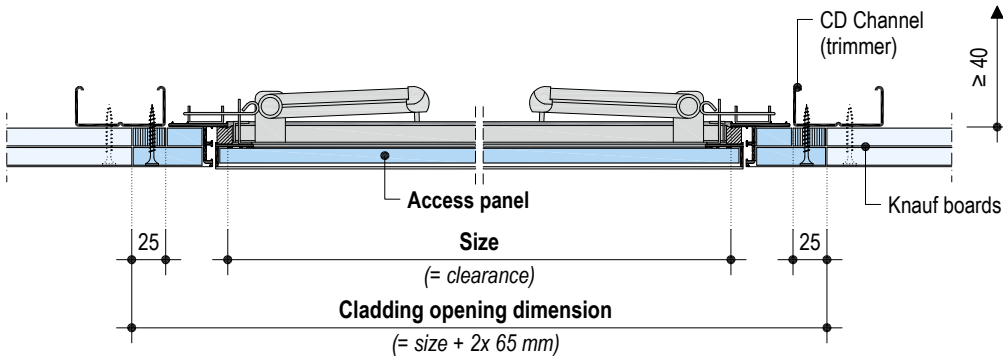
Universal connectors are required for the trimmers. Further suspenders are required if the suspended profiles are to be exchanged.

Design details

Scale 1:5 | Dimensions in mm

E144.de-V1 F-TEC disinfectant-proof – ceiling system – vertical section

e.g. version 2x 12.5 mm – without seal



3) Clearance to basic ceiling / installations

### Product range

Description	Width x length mm	Weight kg/piece	Packaging unit	Material number	EAN
F-TEC Disinfectant-proof	400 x 400	8.1	1 piece / pack	00111939	4003982203687
	600 x 600	14.7		00111940	4003982203694
Replacement seal kit Disinfectant-proof	400 x 400		1 pieces / pack	00112538	4003982203717
	600 x 600			00112539	4003982203724

#### Required specifications for ordering

- Dimension of the access panel (width x length)
- Cladding thickness

#### Additional options

- Replacement seal kit



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