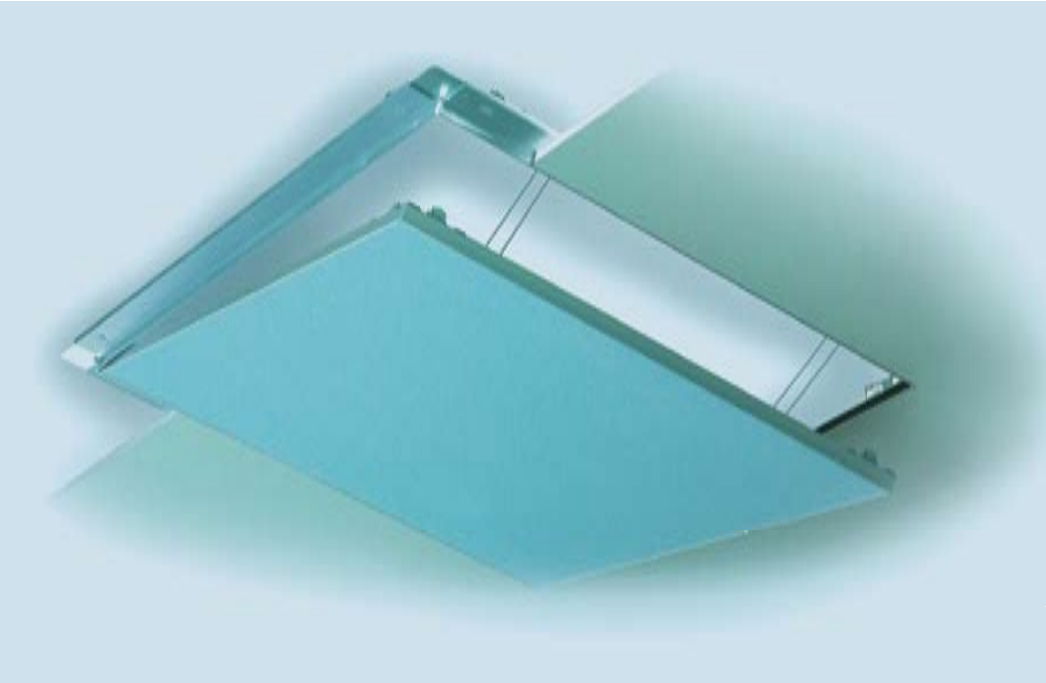
KNAUF
Drywall Systems



Drywall Systems | 2009-04

Knauf alutop® Access Panels

Standard Access Panels	- REVO for Ceilings, Drywall Partitions, and Furrings
Fire-Resistant Access Panels	- F-TEC for Ceilings, Installation Shaft Walls and Solid Walls
	- FIRE PROTECTION for Drywall Partitions
Special Access Panels	- AIRTIGHT and DUST-PROOF
	- DISINFECTANT-RESISTANT

New

- Knauf alutop® REVO 12.5 / 18 Variant / 25 Variant
- Knauf alutop® F-TEC Fire-Resistant Access Panels

Knauf alutop® Access Panels

Contents

Surfaces are being subjected to ever more stringent demands.
Knauf alutop® Standard Access Panels REVO satisfy requirements of this type for cladding thickness from 12.5 mm to 25 mm in any location where there are no building physical requirements. The flush bonded Diamant board allows for flawless surfaces with minimal effort.

Fire-Resistant - one single type for all occasions
Knauf alutop® Fire-Resistant Access Panels F-TEC
One type of panel, universally usable for ceilings, shaft walls, or in solid walls and for cladding thickness up to 25 or 50 mm. Available for fire resistance classes F30 up to F120, optionally in combination with airtightness, dust-proofness, and smoke-proofness. Installation at a later time is also easy due to the attachment fitting. The flush bonded Diamant board allows for flawless surfaces with minimal effort.

Fire-Resistance - cost-effective
Knauf alutop® Access Panels FIRE PROTECTION PARTITION, Particularly in large construction projects where requirements of cladding thickess, fire resistance, size, and installation locations are fixed from the beginning, Knauf offers cost-effective solutions.

The **Knauf alutop® Access Panels AIRTIGHT and DUST-PROOF** prevents penetration of air and dust in ceilings and walls without fire-resistance requirements with a cladding thickness of up to 25 mm, even with overpressure or low pressure.

The **Knauf alutop® Access Panel DISINFECTANT-RESISTANT** is specially designed for handling air-communicable diseases which are to be treated as per quarantine laws in infection quarantine stations in hospitals where the sealing of ventilation systems in ceilings or walls (without fire resistance requirements) must be guaranteed.

Knauf alutop® Access Panels

Product Overview

Five Types for Any Occasion

Standard access panels for ceilings, drywall partitions and furrings

REVO 12.5	REVO 18 Variant	REVO 25 Variant
for 12.5 mm	for 15 and 18 mm	for 20 and 25 mm
200 x 200 mm	200 x 200 mm	200 x 200 mm
300 x 300 mm	300 x 300 mm	300 x 300 mm
400 x 400 mm	400 x 400 mm	400 x 400 mm
500 x 500 mm	500 x 500 mm	500 x 500 mm
600 x 600 mm	600 x 600 mm	600 x 600 mm
600 x 1200 mm	600 x 1200 mm	600 x 1200 mm
700 x 700 mm	700 x 700 mm	700 x 700 mm
800 x 800 mm	800 x 800 mm	800 x 800 mm
900 x 900 mm	900 x 900 mm	900 x 900 mm
1000 x 1000 mm	1000 x 1000 mm	1000 x 1000 mm
1100 x 1100 mm	1100 x 1100 mm	1100 x 1100 mm
1200 x 1200 mm	1200 x 1200 mm	1200 x 1200 mm
≥ 1200 mm (multipart)	≥ 1200 mm (multipart)	≥ 1200 mm (multipart)
Any intermediate size available		

Fire-resistant access panels for ceilings, shaft walls and solid walls

F-TEC F30	F-TEC F90 / F120
for 12.5 to 25 mm	for 25 to 50 mm
300 x 300 mm	300 x 300 mm
400 x 400 mm	400 x 400 mm
500 x 500 mm	500 x 500 mm
600 x 600 mm	600 x 600 mm
700 x 700 mm	-
800 x 800 mm	-
Intermediate sizes by request	

The Complete Program

● Standard equipment ○ Optional — Not available	REVO 12.5	REVO 18 Variant	REVO 25 Variant	FIRE PROTECTION F-TEC F30	FIRE PROTECTION F-TEC F90/F120	FIRE PROTECTION PARTITION	AIRTIGHT and DUST-PROOF	DISINFECTANT-RESISTANT	X-Ray radiation shielding
Face board flush bonded	●	●	●	●	●	—	●	●	●
Sealing	○	●	●	●	●	●	●	●	●
Intermediate sizes ≥ 200 ≤ 600 mm	○	○	○	○ [1]	○ [1]	○	○ [1]	—	○ [1]
Intermediate sizes > 600 ≤ 800 mm	○	○	○	○	—	○	○	—	—
Intermediate sizes > 800 ≤ 1200 mm	○	○	○	—	—	—	—	—	—
Universally suitable for various cladding thicknesses	—	●	●	●	●	—	●	●	—
Airtight and dust-proof	○	○	○	○	○	—	●	●	—
Smoke-proof	—	—	—	—	○	—	○	—	—
With factory-bonded perforated board	○	—	—	—	—	—	—	—	—
Designed for on-site installation of perforated board	○	—	—	—	—	—	—	—	—
Designed for on-site tiling	○	○	○	○	○	○	○	—	○
Four-square bolt or round cylinder lock	○	○	○	○ [2]	○ [2]	○	○ [2]	—	—
Lock designed for profile cylinder	○	○	○	—	—	○	—	—	—
Water Resistant	—	—	—	—	—	—	○	—	—

[1] ≥ 300 mm

[2] Four-square bolt not in combination with airtight, dust-proof, and smoke-proof options

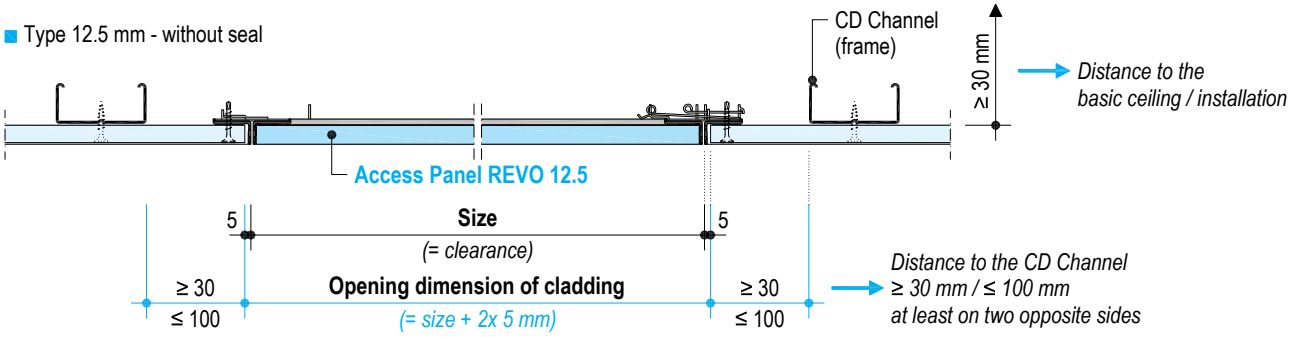
Access Panels REVO

Standard Access Panels for Ceilings, Drywall Partitions and Furrings

Installation in Knauf Ceiling Systems

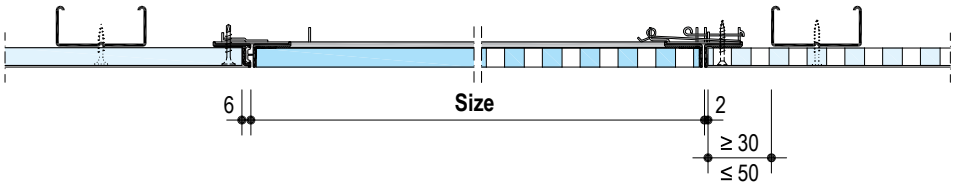
Examples - schematic drawings

■ Type 12.5 mm - without seal



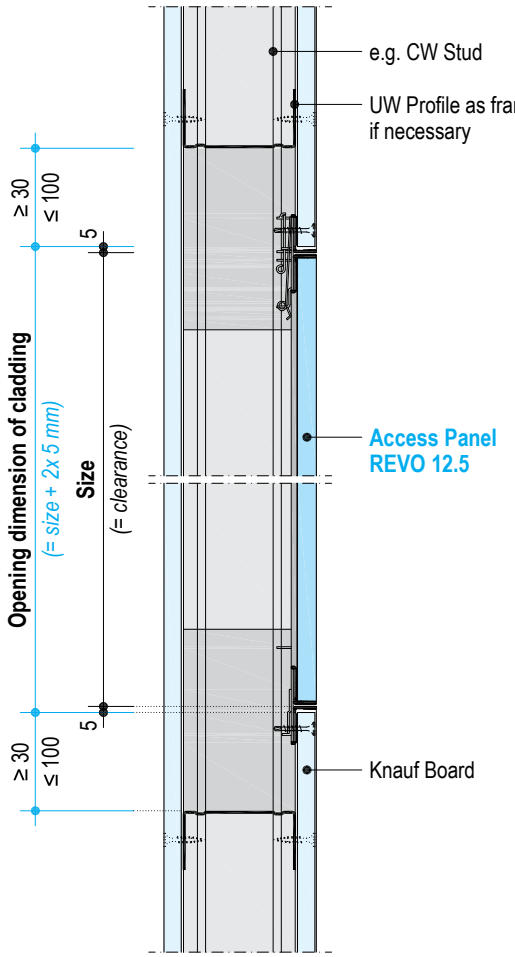
■ Type 12.5 mm - with seal

■ Type 12.5 mm - with perforated board
Exact size depends on perforation pattern



Installation in Knauf Partition/Furring Systems

■ Type 12.5 mm - without seal



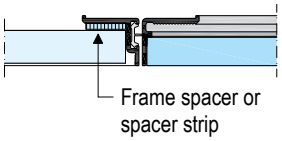
Possible Cladding Thicknesses

■ REVO 12.5

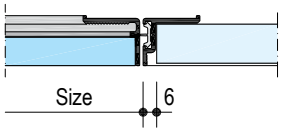
■ **12.5 mm**

■ REVO 18 Variant

■ **15 mm**

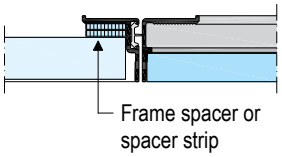


■ **18 mm**

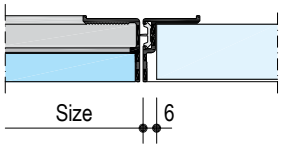


■ REVO 25 Variant

■ **20 mm**



■ **2x 12.5 / 25 mm**



Note

■ Installation of the ceiling, partition and furring systems according to Knauf Technical Data Sheets

Access Panels REVO

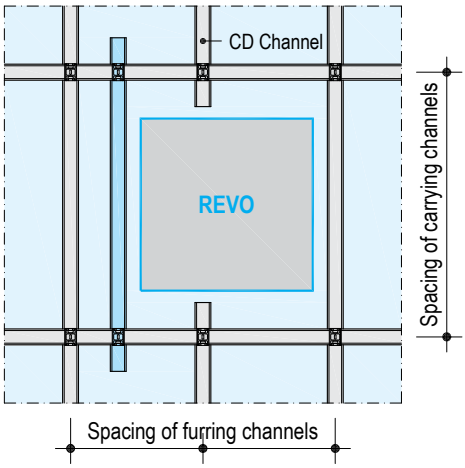
Standard Access Panels for Ceilings, Drywall Partitions, and Furrings

Examples - schematic drawings

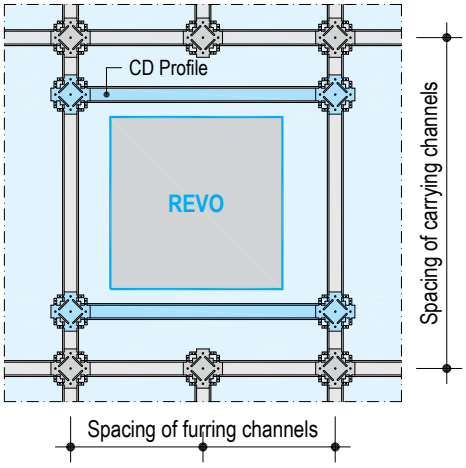
Installation in Knauf Ceiling Systems

Additional substructure
If suspended channels need to be cut and replaced by an additional channel, additional suspensions are necessary

■ **Double metal grid (e.g. Knauf D112 Ceiling System)**



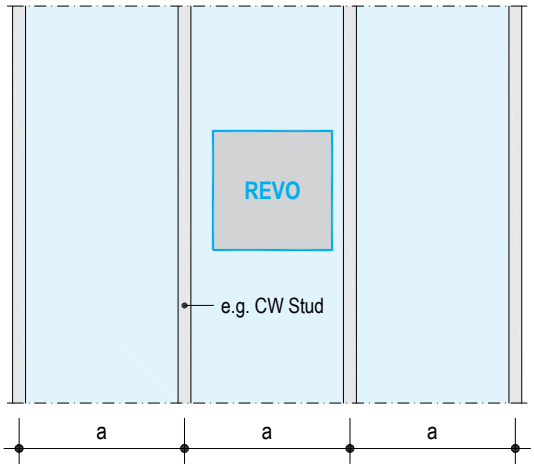
■ **Flush metal grid (e.g. Knauf D113 Ceiling System)**



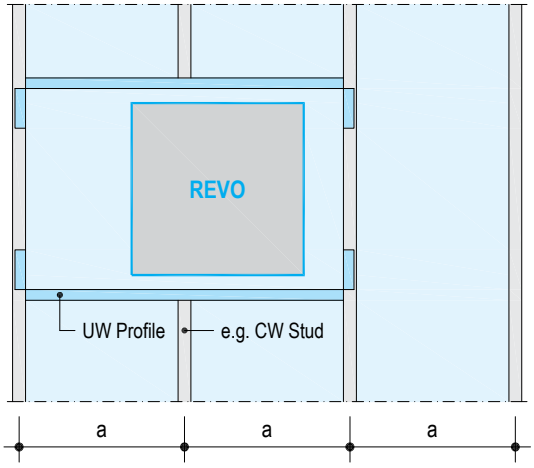
Installation in Knauf Partition/Furring Systems

Trimming of the substructure
Depending on type and installation situation of the access panels, trimmer profiles made of UW Profiles are necessary

■ **Stud spacing -a- continuous**



■ **Stud spacing -a- with cut stud and trimmer profiles**



Cladding
mm

REVO 12.5
- ■ **12.5**

REVO 18 Variant
- ■ **15**
- ■ **18**

REVO 25 Variant
- ■ **20**
- ■ **2x 12.5 / 25**

Sizes
mm
- ■ 200 x 200
- ■ 300 x 300
- ■ 400 x 400
- ■ 500 x 500
- ■ 600 x 600
- ■ 600 x 1200
- ■ 700 x 700
- ■ 800 x 800
- ■ 900 x 900
- ■ 1000 x 1000
- ■ 1100 x 1100
- ■ 1200 x 1200

(= clearance)

Additional options	REVO 12.5	REVO 18 Variant REVO 25 Variant
Intermediate sizes	■	■
Multipart	■	■
Seal	■ *1)*	Standard equipment
Type "screwed" (≤ 625 mm)	■	
Factory-bonded perforated boards (≤ 900 x 900 mm)	■	
For on-site applic. of perforated boards (≤ 625 mm)	■	
For on-site tiling (≤ 600 x 800 mm)	■	■
Prepared for surface quality Q4 (on-site)	■	■
Four-square bolt	■	■
Round cylinder lock	■	■
Lock pre-designed for profile cylinder	■	■

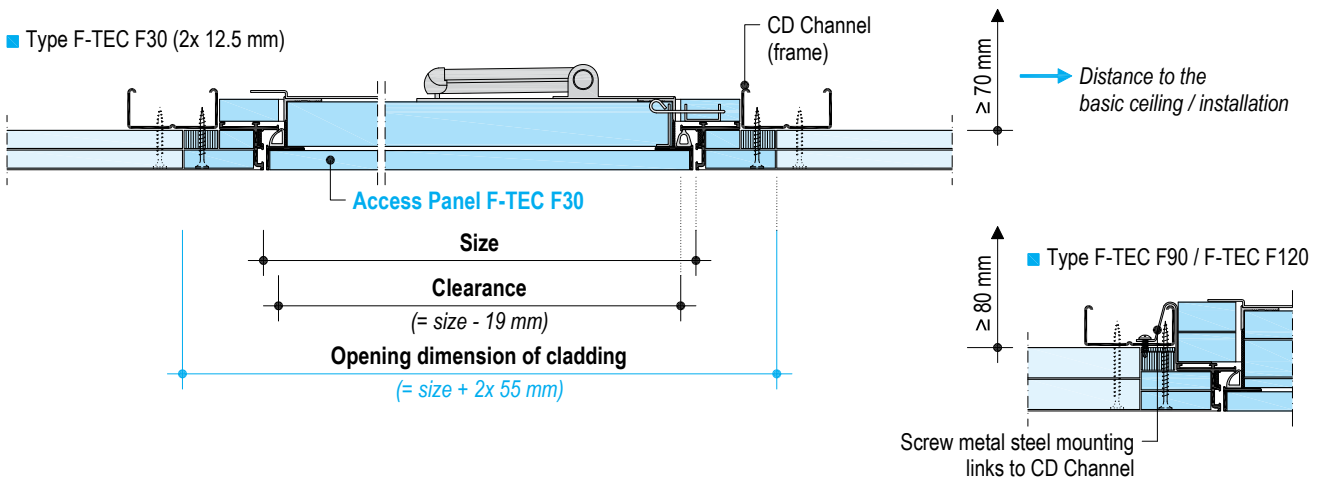
1) without seal (≤ 625 mm)

Access Panels F-TEC F30 / F-TEC F90 / F-TEC 120

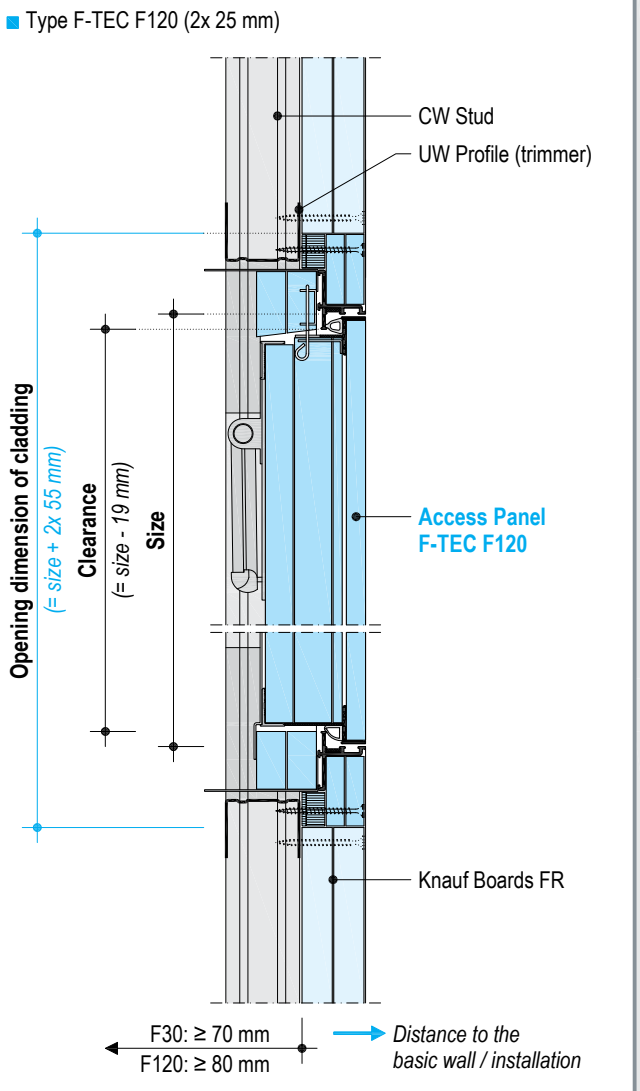
Fire-Resistant Access Panels for Ceilings, Shaft Walls and Solid Walls

Installation in Knauf Ceiling Systems

Examples - schematic drawings



Installation in Knauf Shaft Wall Systems



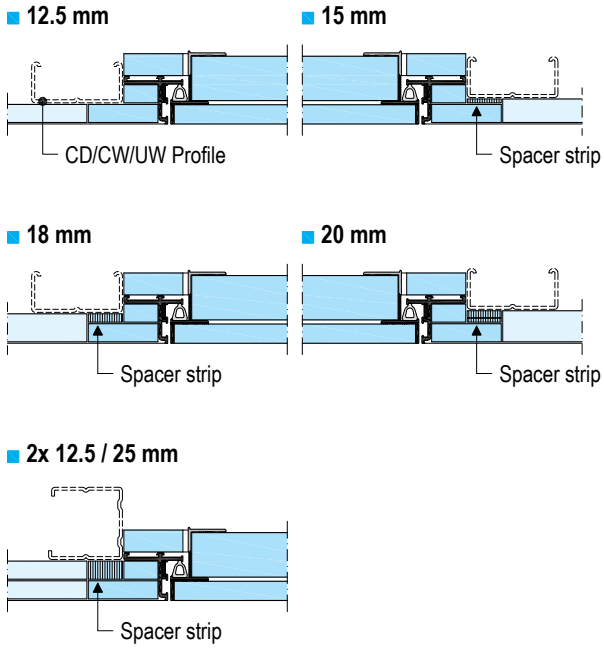
■ Also suitable for solid walls. Contact Knauf technical department for additional technical drawings for solid wall applications.

Note

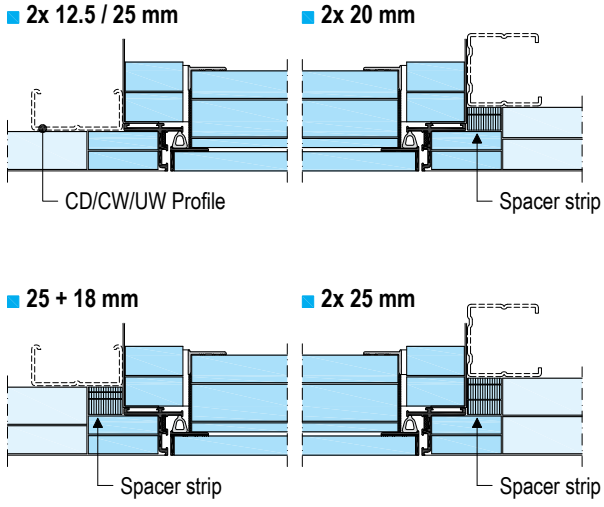
■ Ceiling and shaft wall systems with fire resistance according to Knauf Technical Data Sheets

Possible Cladding Thicknesses

F-TEC F30



F-TEC F90



Access Panels F-TEC F30 / F-TEC F90 / F-TEC F120

Fire-Resistant Access Panels for Ceilings, Shaft Walls and Solid Walls

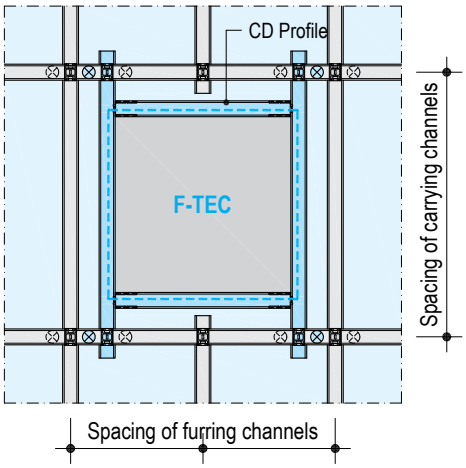
Examples - schematic drawings

Installation in Knauf Ceiling Systems

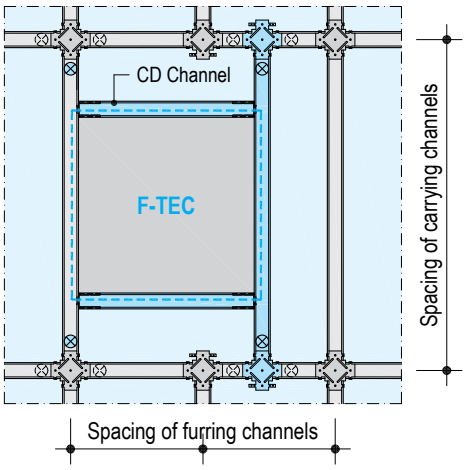
Additional substructure
4 additional suspensions
Alternative suspension locations

If suspended channels need to be cut and replaced by additional channels, additional suspensions are necessary

■ **Double metal grid (e.g. D112)**



■ **Flush metal grid (e.g. D113)**

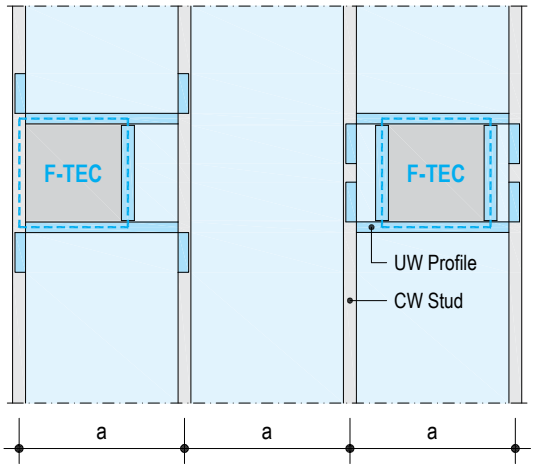


Installation in Knauf Shaft Wall Systems

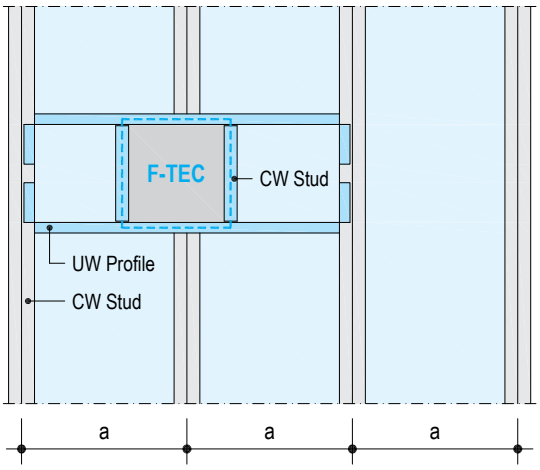
Trimming of the substructure
Depending on type and installation situation of the access panels, trimmer profiles or frames made of profiles are necessary

Subsequent installation in finished shaft walls is possible
If the installation of the access panel is performed at a later time, the cladding is sawed out. Apply frame made of circumferential profile pieces (UW or CW) and screw attach (spacing of screws ≤ 150 mm).

■ **Stud spacing -a- continuous studs**



■ **Stud spacing -a- with cut stud and trimmer profiles**



Cladding mm
F-TEC F30
■ 12.5
■ 15
■ 18
■ 20
■ 2x 12.5 / 25
F-TEC F90
■ 2x 12.5 / 25
■ 2x 20
■ 25 + 18
■ 2x 25
F-TEC F120
■ 2x 25

Sizes mm	F-TEC F30	F-TEC F90 / F-TEC F120
300 x 300	■	■
400 x 400	■	■
500 x 500	■	■
600 x 600	■	■
700 x 700	■	
800 x 800	■	

(Size - 19 mm = clearance)

Additional options	F-TEC F30	F-TEC F90 / F-TEC F120
Intermediate sizes	■	■
Fireboard face	On request	■
Airtight and dust-proof (≤ 600 x 600 mm)	■	■
Smoke-proof (≤ 600 x 600 mm)		■
For on-site tiling	■	■
Four-square bolt	■	■
Round cylinder lock	■	■

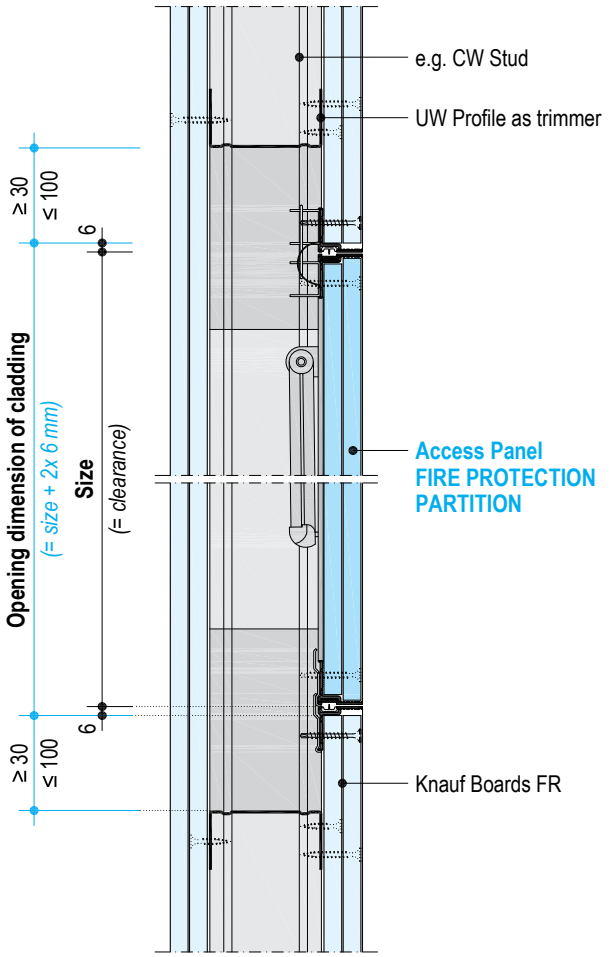
Access Panel FIRE PROTECTION PARTITION

Fire Resistance Class F30 / F90 / F120

Installation in Knauf Partition Systems

Examples - schematic drawings

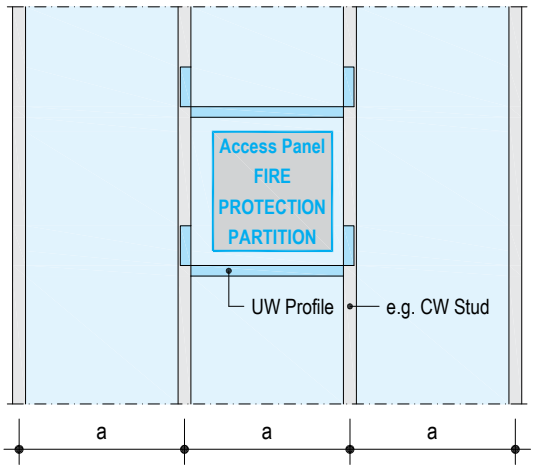
■ Type F90 (2x 12.5 mm)



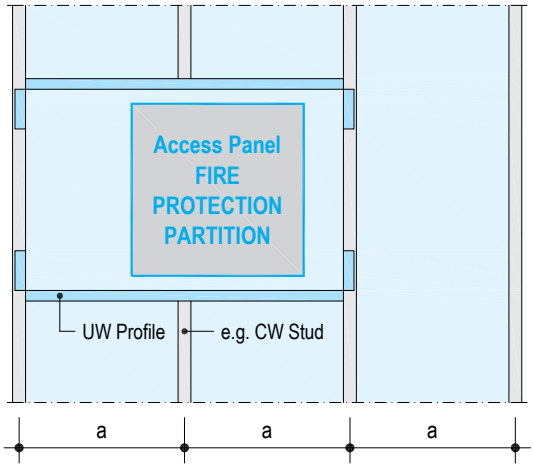
Trimming of the substructure

Depending on type and installation situation of the access panels, trimmer profiles made of UW Profiles are necessary

■ **Stud spacing -a- continuous stud**



■ **Stud spacing -a- with cut stud and trimmer profiles**



Note

■ Fire-resistant partition constructions according to Knauf Technical Data Sheets

Cladding mm	F30	F90	F120
12.5	■		
2x 12.5 / 25		■	
2x 15			■

Sizes
mm

- ■ 300 x 300
- ■ 400 x 400
- ■ 500 x 500
- ■ 600 x 600

(= clearance)

Additional options	F30	F90	F120
Intermediate sizes *1)*	■	■	■
For on-site tiling	■	■	■
Four-square bolt	■	■	■
Round cylinder lock	■	■	■
Lock pre-designed for profile cylinder	■	■	■

1) Max. tested size 510 x 810 mm

AIRTIGHT and DUST-PROOF / DISINFECTANT-RESISTANT

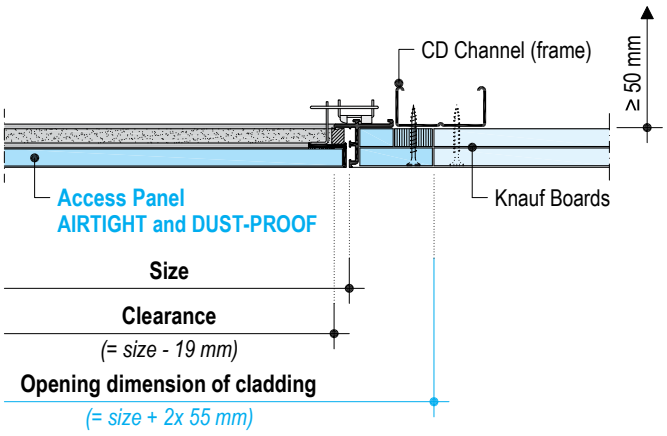
Without Fire Resistance for Ceilings, Drywall Partitions and Furrings

Airtight and Dust-Proof — Installation in Knauf Ceiling, Partition and Furring Systems

Examples - schematic drawings

Vertical section ceiling

- Type 2x 12.5 mm



Cladding
mm
- **12.5**
- **2x 12.5 / 25**

Sizes
mm
- 300 x 300
- 400 x 400
- 500 x 500
- 600 x 600

(Size - 19 mm = clearance)

Additional options

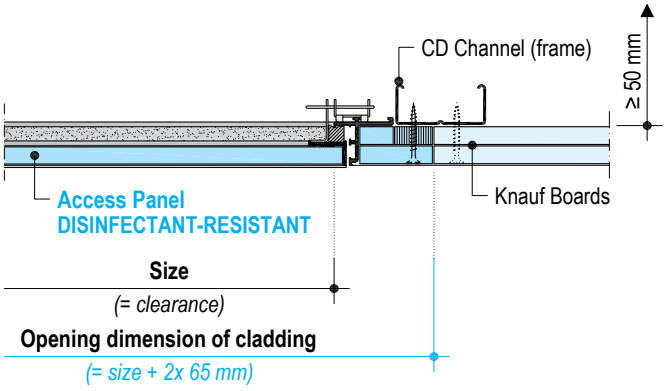
Intermediate sizes	■
For on-site tiling	■
Round cylinder lock	■

■ *Circumferential profiles are required.*
In case of installation in ceilings additional suspenders are required in the corners.

DISINFECTANT-RESISTANT, airtight and dust-proof — Installation in Knauf Ceiling, Partition and Furring Systems

Vertical section ceiling

- Type 2x 12.5 mm



Cladding
mm
- **12.5**
- **2x 12.5 / 25**

Sizes
mm
- 400 x 400
- 600 x 600

(= clearance)

Additional options

Intermediate sizes	Not available
Lock	Not available

■ *Circumferential profiles are required*
In case of installation in ceilings additional suspenders are required in the corners.

Note

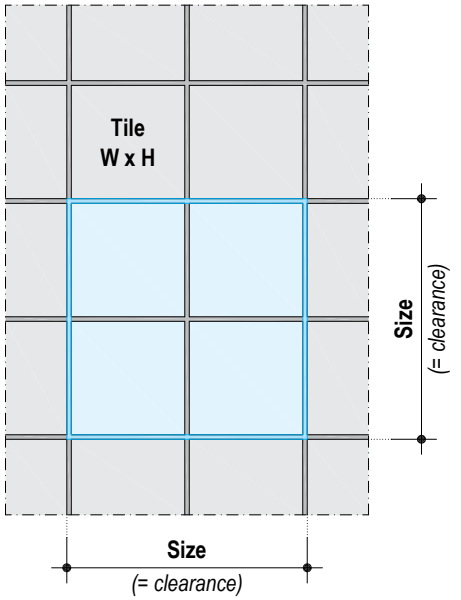
■ Construction of ceiling, partition or furring systems according to Knauf Technical Data Sheets.

■ **Tested for airtightness up to 750 pascal, over-pressure or low pressure**

Knauf alutop® Access Panels

For Tiling

View



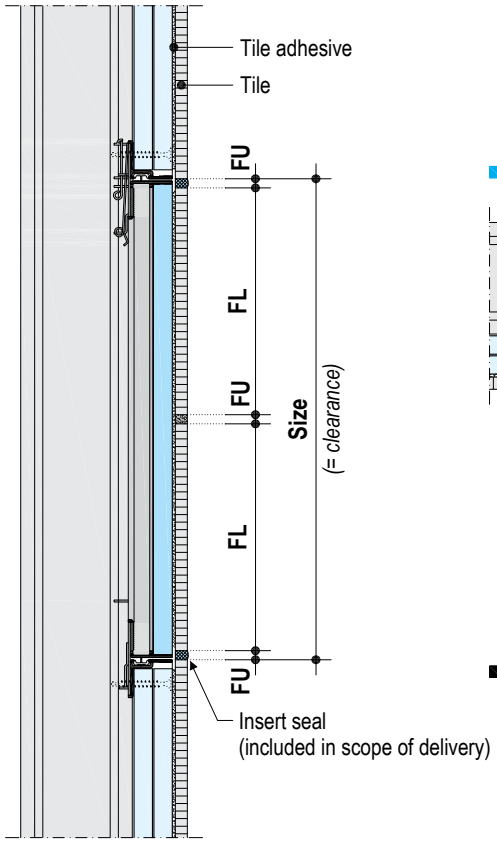
Notes

- Exact size depends on format of tiles.
  The access panel is configured based on the tile pattern. Information on the dimensions of the tiles (W x H), width of joints and adhesive thickness are required.
- **FL** = tile format **FU** = width of tiling joint
- Laying of tile in thin-bed application only
- Fire resistance is optional
- Construction of ceiling, partition, shaft wall or furring systems according to Knauf Technical Data Sheets.

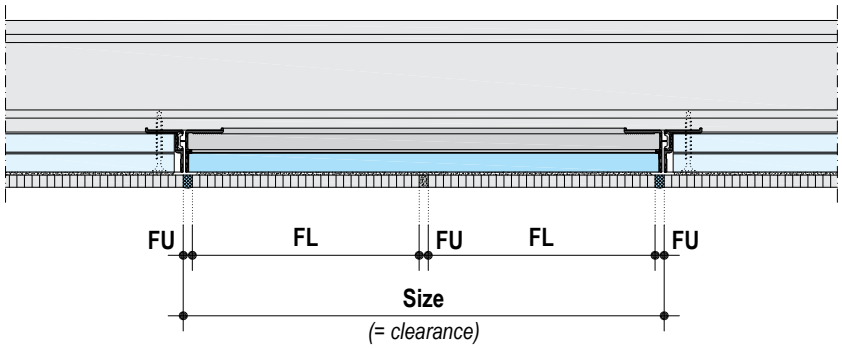
Sections

Example: REVO - schematic drawings

■ Vertical section



■ Horizontal section



■ Fill outer frame after installation of access panel and apply tiles exactly along the outer frame.

Item	Description	No. of units	Unit price	Total price
.....	**Standard access panel for ceiling / wall *, cladding thickness 12.5 mm** Deliver and install access panel for suspended ceiling/ non-load bearing, room-enclosing drywall partition/ independent furring *, configured for installation in 12.5 mm thick clad constructions, as standard configuration, with flush bonded/ screwed * Knauf Diamant hard gypsum board (FM) 12.5 mm/ perforated board face *, size (clearance): .....x ..... mm, securing of the hatch using self-adjusting clasping springs, with a lock- and hinge mechanism that is integrated in the frame corners and concealed. Equipped with round cylinder lock / four-square bolt / lock, designed for profile cylinders *,*. Product / system: **Knauf alutop® Standard Access Panel REVO 12.5**	..... pcs	.....AED / QR / BHD	.....AED / QR / BHD
.....	**Standard access panel for ceiling / wall *, cladding thickness 15/ 18 * mm** Deliver and install access panel for suspended ceiling/ non-load bearing, room-enclosing drywall partition/ independent furring *, configured for installation in 15/ 18 * mm thick clad constructions, as standard configuration, with flush bonded Knauf Diamant hard gypsum board (FM) 12.5 mm, size (clearance): .....x ..... mm, securing of the hatch using self-adjusting clasping springs, with a lock- and hinge mechanism that is integrated in the frame corners and concealed. Equipped with round cylinder lock / four-square bolt / lock, designed for profile cylinders *.* Product / system: **Knauf alutop® Standard Access Panel REVO 18 Variant**	..... pcs	.....AED / QR / BHD	.....AED / QR / BHD
.....	**Standard access panel for ceiling / wall *, cladding thickness 20/ 25 * mm** Deliver and install access panel for suspended ceiling/ non-load bearing, room-enclosing drywall partition/ independent furring *, configured for installation in 20/ 25 * mm clad constructions, as standard configuration, with flush bonded Knauf Diamant hard gypsum board (FM) 12.5 mm, size (clearance): ..... x ..... mm, securing of the hatch using self-adjusting clasping springs, with a lock- and hinge mechanism that is integrated in the frame corners and concealed. Equipped with round cylinder lock / four-square bolt / lock, designed for profile cylinders *.* Product / system: **Knauf alutop® Standard Access Panel REVO 25 Variant**	..... pcs	.....AED / QR / BHD	.....AED / QR / BHD
.....	**Fire-resistant access panel F30 for ceiling/ shaft wall/ solid wall *** Deliver and install access panel for suspended ceiling/ shaft wall *, configured for installation in 12.5/ 15/ 18/ 20/ 25 * mm clad constructions/ solid wall *, as fire-resistant configuration, fire resistance class DIN 4102-2: F30, with flush bonded Knauf Diamant hard gypsum board (FM) size (clearance + 19 mm): .....x .....mm, securing of the hatch using self-adjusting clasping springs, with a concealed lock- and hinge mechanism. Airtight and dust-proof (class 4 to 5) acc. to DIN EN 1026 + DIN EN 12211,* Equipped with round cylinder lock / four-square bolt *.* Product / system: **Knauf alutop® Fire-Resistant Access Panel F-TEC F30**			
.....	**Fire-resistant access panel F90 for ceiling/ shaft wall/ solid wall *** Deliver and install access panel for suspended ceiling/ shaft wall *, configured for installation in 25/ 30/ 40/ 43/ 50 * mm clad constructions/ solid wall *, as fire-resistant configuration, fire resistance class DIN 4102-2: F90, with flush bonded Knauf Diamant hard gypsum board (FM) size (clearance + 19 mm): ..... x ..... mm, securing of the hatch using self-adjusting clasping springs, with a concealed lock- and hinge mechanism. Airtight and dust-proof (class 4 to 5) acc. to DIN EN 1026 + DIN EN 12211/ smoke proof following DIN 18095-2 *,* Equipped with round cylinder lock / four-square bolt *.* Product / system: **Knauf alutop® Fire-Resistant Access Panel F-TEC F90**	..... pcs	.....AED / QR / BHD	.....AED / QR / BHD

** Cancel not applicable items*

Sub-total ..... AED / QR / BHD

Knauf alutop® Access Panels

Specifications

Item	Description	No. of units	Unit price	Total price
......	**Fire-resistant access panel F120 for ceiling/ shaft wall/ solid wall *** Deliver and install access panel for suspended ceiling/ shaft wall *, configured for installation in 25/ 30/ 40/ 43/ 50 * mm clad constructions/ solid wall *, as fire-resistant configuration, fire resistance class DIN 4102-2: F120, with flush bonded Knauf Diamant hard gypsum board (FM) size (clearance + 19 mm): .... x .... mm, securing of the hatch using self-adjusting clasping springs, with a concealed lock- and hinge mechanism. Airtight and dust-proof (class 4 to 5) acc. to DIN EN 1026 + DIN EN 12211/ smoke proof following DIN 18095-2 *,* Equipped with round cylinder lock / four-square bolt *.* Product / system: **Knauf alutop® Fire-Resistant Access Panel F-TEC F120**	.... pcs	........AED / QR / BHD	........AED / QR / BHD
......	**Fire-resistant access panel F30 / F90 / F120 * for drywall partition** Deliver and install access panel for non-load bearing, room-enclosing drywall partition configured for installation in 12.5 / 25 / 30 * mm clad constructions, as fire-resistant configuration, fire resistance class DIN 4102-2: F30 / F90 / F120 *, with flush screwed Knauf FR size (clearance): .... x .... mm, securing of the hatch using self-adjusting clasping springs, with a concealed lock- and hinge mechanism. Equipped with round cylinder lock / four-square bolt/ lock, designed for profile cylinders *.* Product/ system: **Knauf alutop® Access Panel FIRE PROTECTION PARTITION F30 / F90 / F120 ***	.... pcs	........AED / QR / BHD	........AED / QR / BHD
......	**Airtight and dust-proof access panel for ceiling/ wall *, cladding thickness 12.5/ 25 * mm** Deliver and install access panel for suspended ceiling/ non-load bearing, room-enclosing drywall partition/ furring *, configured for installation in 12.5/ 25 * mm clad constructions, as airtight and dust-proof configuration (class 4 to 5) DIN EN 1026 + DIN EN 12211, *, with flush bonded Knauf Diamant hard gypsum board (FM), size (clearance + 19 mm): ....x ....mm, securing of the hatch using self-adjusting clasping springs, with a concealed lock- and hinge mechanism. Equipped with round cylinder lock.* Product/ system: **Knauf alutop® Access Panel AIRTIGHT and DUST-PROOF**	.... pcs	........AED / QR / BHD	........AED / QR / BHD
......	**Disinfectant-resistant access panel for ceiling / wall *, cladding thickness 12.5/ 25 * mm** and install access panel for suspended ceiling/ non-load-bearing, room-enclosing drywall partition/ independent furring *, configured for installation in 12.5/ 25 * mm clad constructions, as disinfectant-resistant configuration (acc. to TRGS 522), with bonded plastic panel and anodized aluminium face plate, size (clearance): 400 x 400 / 600 x 600 * mm, securing of the hatch using self-adjusting clasping springs, with a concealed lock- and hinge mechanism. Product/ system: **Knauf alutop® Access Panel DISINFECTANT-RESISTANT**	.... pcs	........AED / QR / BHD	........AED / QR / BHD
......	Cutout section as upgrade for ceiling/drywall partition/ shaft wall *, rectangular, dimensions in mm................ .	.... pcs	........AED / QR / BHD	........AED / QR / BHD
......	Reinforce substructure at opening, CD Profile/ CW Profile/ UW Profile * DIN 18182-1, metal gauge 0.6 mm, as upgrade for ceiling lining/ceiling/drywall partition/shaft wall *, rectangular, dimensions in mm................ .	.... pcs	........AED / QR / BHD	........AED / QR / BHD
......	Upgrade for specified access panel, for round design, Securing chain for hatch, clearance dimension Ø 250 mm/ 400 mm/ in mm .... *.	.... pcs	........AED / QR / BHD	........AED / QR / BHD
......	Subsequent filling of access panel joint.	.... pcs	........AED / QR / BHD	........AED / QR / BHD
	** Cancel not applicable items*		Sub-total	..............AED / QR / BHD

Order Information

Required specifications for ordering:

- Size of the installed access panel
- Mounting component (e. g, ceiling, shaft wall...)
- Cladding thickness
- Type of cladding
- Fire resistance class, if necessary

Special details/additional options

- Access panels for tiling:
  Specify tile dimensions, joint width, adhesive thickness, tile thickness and cladding thickness;
  The exact clearance is determined through the tile format.
- Access panels for perforated board ceilings:
  Specify perforation pattern and the color of the fleece. The exact clearance is determined through the perforation pattern.
  Either on-site application of perforated board or perforated board is bonded at the factory.
- Special configurations (e.g., access panels with lead sheet lamination, splash water proof etc.) on request
- Airtight and dust-proof
- Smoke-proof
- Designed for on-site applied surface quality Q4 on request
- Multipart configuration
- Round cylinder lock, lock designed for profile cylinder or four-square bolt

Construction

Select access panels considering cladding thickness of the Knauf systems.
Knauf alutop® panels consist of a firm outer aluminum frame, and an openable and fully detachable hatch. REVO and F-TEC are equipped with flush bonded or screwed face board made of Knauf Diamant or Fireboard A1, applied either at the factory or on-site. Outer frame and hatch of the access panels are reinforced on the rear side using corner connectors. The hatch is fixed flush with the outer frame using special Knauf alutop® locks and hinge brackets. A joint width of only approx. 1.5 mm is visible between the outer frame and the hatch when fully mounted.
With rectangular ceiling access panels, the lock and hinge system is always mounted on the long side.

REVO

Standard access panels for installation in ceilings, drywall partitions and furrings without specific building physical requirements.

- REVO 12.5 for 12.5 mm cladding thickness
- REVO 18 Variant for 15 and 18 mm cladding thickness
- REVO 25 Variant for 20 and 25 mm cladding thickness

Installation with trimmer profiles, if necessary. Suitable for subsequent installation in finished walls/ceilings.
Use of round cylinder or profile cylinder locks and four-square bolting is also optional.

F-TEC

Fire-resistant access panels for universal installation in ceilings, shaft walls (single-side clad drywall partitions) and solid walls (DIN 4102-4) with fire protection requirements for fire resistance classes F30, F90 and F120, for all common cladding thicknesses in Knauf Systems. Installation with additional substructure/trimmer profiles/frames.
Fire-resistant F-TEC access panels can also, optionally, be designed in combination with airtight, dust-proof and smoke-proof options. Suitable for subsequent installation in finished walls/ceilings. Installation of round cylinder locks and four-square bolt is also optional.

FIRE PROTECTION PARTITION

Fire-resistant access panels for drywall partitions with fire protection requirements F30, F90 and F120, for cladding thicknesses 12.5, 25 and 30 mm. Installation with additional metal frame/trimmer profiles. Optionally, fire-resistant access panels with round cylinder locks, locks designed for profile cylinders or equipped with four-square bolt.

AIRTIGHT and DUST-PROOF

Access panels for universal installation in ceilings, drywall partitions and furrings. Airtight and dust-proof according to DIN EN 1026 and DIN EN 12211 (for combination with fire resistance, see F-TEC) for all common cladding thicknesses in Knauf Systems. Installation with additional metal frame/grid/trimmer profiles.

DISINFECTANT-RESISTANT

Access panels for universal installation in ceilings, walls, and furrings. Disinfectant resistance following TRGS 522, for cladding thicknesses 12.5 / 2x12.5 and 25 mm. Seals are to be replaced after one year maximum, after max. 15 gassing procedures, or after reaching a specified level of leakage. Installation with additional metal frame/grid/trimmer profiles.

Installation

General

Installation of access panels as per accompanying application instructions, installation of Knauf Systems in accordance with relevant current Knauf Technical Data Sheets. Cladding screwed to frame using Drywall Screws TB or TN (see detail pages). CAUTION: Length of screw determined by cladding. Minimum 3 pieces per frame side. Distance between screws maximum 150 mm. Predrilling only necessary with access panels FIRE PROTECTION CEILING. No board joints of the cladding are allowed near the access panel.

With wall access panels, a clearance of ≥ 40 mm (DISINFECTANT-RESISTANT: 50 mm) must be ensured in the upper third of the rear side of the hatch for opening the panel.

REVO and FIRE PROTECTION PARTITION

Cut out opening 12 mm (with REVO 12.5 without seal 10 mm) larger than the access panel size (= clearance).

If necessary, install additional trimmer profiles made of CD- or CW profiles based on the dimensions of the access panel, maintain distances between the cutout section and CD- or UW profiles of 30 mm minimum and 100 mm maximum (with walls for the trimmer profiles, with ceilings on at least two opposite sides). Additional suspenders are required for replacing suspended ceiling profiles.

Place the outer frame of the access panel in the opening, lay it on the cladding, align and screw attach. Subsequently insert hatch and check lock for proper functioning. If the distance to the installations in the wall or ceiling is less than 200 mm, it is necessary to perform the installation of the outer frame in the gypsum board before the cladding.

Access panels F-TEC, AIRTIGHT and DUST-PROOF, and DISINFECTANT-RESISTANT

Application can either be performed while installing the metal grid or at a later time. Cut out opening 5 mm larger than the gypsum frame of the access panel. Install trimmer profile frame made of CD or CW/UW Profiles according to the size of the access panel In case of installation in ceilings, also attach 4 additional suspenders in the corner areas of the access panel. Lay gypsum board frames of the access panel on the trimmer profiles, align and screw attach. With F-TEC F90 and F120 in ceiling, screw metal sheet mounting links to CD Profile trimmer frame. Subsequently insert hatch and check lock for proper functioning.

Jointing

Fill outer frame of access panel and the ceiling-/wall surface with Uniflott, Fugenfuller or Readyfix. Recommended: With access panels F-TEC, AIRTIGHT and DUST-PROOF, as well as DISINFECTANT RESISTANT fill joint between ceiling/wall surface and gypsum board frame with Knauf Joint Tape.

It is not necessary to fill or skim the joint between hatch frame and hatch face when using flush bonded gypsum boards (REVO/F-TEC) up to Q2; otherwise skim coat panel on the entire surface with Uniflott; or Readyfix For surface qualilty level Q3 with REVO/F-TEC: Scrape skim hatch face.

Configuration for quality level Q4 on request. After filling, thoroughly clean outer frame, hatch, and particularly the seal.

Surface Treatment

Surface treatment of the access panels with gypsum board face following Knauf Technical Data Sheet for the respective system. For tile covering observe instructions on page 10.

Note to 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. Thoroughly clean outer frame, hatch, and particularly the seal.

Proofs

Fire resistance (ABP)

- Suspended ceilings:
  P 3400/4965 (F30/F90 solely)
  P-3935/4719 (F30/F90 with basic ceiling)
- Drywall partitions W11:
  P-3310/563/07 (F30/F90)
- Installation shaft walls:
  W628: P-3077/0679 (F30)
  P-3078/0689 (F90)
  W629: P-3079/0699 (F30/F90)
  W630: P-3969/2222 (F30/F90)
- Solid walls: P-3295/2366

Disinfectant resistance

TÜV report BB-NEG2-LEI/RiF Nr. 552397/001

Airtightness and dust-proofness acc. to DIN EN 1026:200-09 + DIN EN 12211:2000-12

Test report 104 24358

Smoke proofness following DIN EN 18095-2:1991-03

Test report 281 24570

Notes

Other publications available

Knauf Drywall Systems publishes updated technical information on various products and topics. In order to request any of the brochures listed below, please contact our office at the address given below.

Knauf Drywall Systems Guide

Knauf Access Panels Brochure

Knauf Drywall Tools Brochure

Knauf Drywall Training Brochure

Knauf Cleaneo Acoustic Ceilings Brochure

D11 Knauf Ceilings Technical Datasheet

W11 Knauf Partitions Technical Datasheet

D12 Knauf Cleaneo Acoustic Ceilings Technical Datasheet

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