



**KNAUF**

# ACOUSTIC UNITS FOR WALL AND CEILING

Out-of-the-Box Acoustic Solutions



# A PERFECT BALANCE BETWEEN THE SOUND YOU HEAR AND THE ROOM YOU SEE

**Knauf Cleaneo** – A genuine success story starts a new chapter: Knauf out-of-the-box solutions.

Good room acoustics are essential for the planning of all building projects, even those without specific thresholds. It is the combination of sound materials and surfaces that creates great living spaces. The perfect solution from Knauf comes straight out of the box.

Knauf Up and Knauf Adit are individual absorbers that are not just convenient to install, they also ensure great acoustics and great design.

Speech and noise are purposefully directed, so whether at home, school or work, acoustic comfort is assured. When it is easier to listen, hear & concentrate, improved well-being, learning and recuperation ensues.

## Assembly instructions online!

› Simply download them at: [knauf.solutions/product-brochures](http://knauf.solutions/product-brochures)

Knauf Cleaneo Up  
Knauf Cleaneo Adit



### Did you know?

› Knauf out-of-the-box solutions utilise ceilings and walls to enhance large rooms, both acoustically and aesthetically. The sound absorber duo of Cleaneo Adit and Cleaneo Up provide a compelling combination of function, cost-effectiveness and design – whether in a new building or for renovations.



Office and administration building



Public meeting area



Kindergarten

# READY TO INSTALL STRAIGHT OUT OF THE BOX

## Perfect appearance

Knauf out-of-the-box solutions create attractive design features.

## Perfect sound

Knauf out-of-the-box solutions provide optimum room sound and comply with important standards and regulations.

## Simple installation

Knauf out-of-the-box solutions are very robust and can be installed on the wall or ceiling without any great effort.

## The benefits:

- › Suitable for both new buildings and renovation
- › Targeted sound absorption providing acoustic room enhancement with visual design highlights
- › Improved acoustics with uniform sound absorption across the frequency range
- › No situation is too demanding thanks to the robust surface
- › Cost-effective long service life with flexibility to relocate
- › Time saving quick and clean installation
- › Ready to install out of the box
- › Environmentally friendly
- › Hygienic as it can be cleaned with a damp cloth

## The areas of application:

- › Restaurants
- › Administration buildings
- › Open-plan offices
- › Schools
- › Auditorium
- › Universities & colleges
- › Kindergartens
- › Hotel lobbies
- › Cafeterias
- › Assembly areas
- › Hospitals
- › Doctors surgeries
- › Information centres
- › Homes

## The sound absorber duo

	<b>Individually paintable</b> <b>Cleaneo Adit</b>	<b>Individually paintable</b> <b>Cleaneo Up</b>
Wall application area	■	-
Ceiling application area	-	■
Material	Gypsum	Gypsum
Thickness	24 mm	57 mm
Dimensions	450 x 2400 mm	800 x 1600 mm 1000 x 2000 mm



# CLEANEO ADIT

Simple to renovate: The acoustic professional for the wall

## Little effort, great effect

In elegant white, this cost-effective, robust, individual wall absorber is impressive not just for its acoustical effect, but also for its visual appeal.

It can be placed unobtrusively in a room or when printed or painted, set a striking feature to suit the design requirements.

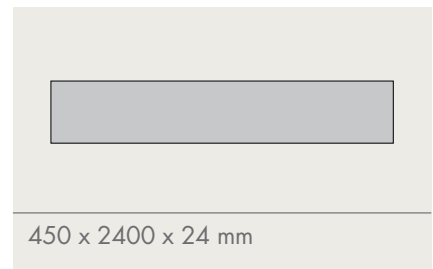
The special feature:

Installation of Cleaneo Adit is no more difficult than hanging a picture frame.

## The benefits:

- › Use as a design element
- › Paintable and printable - Individual colour design options are possible - ask for a recommendation
- › Very robust and durable
- › Highly absorbing combined with very good sound deflection properties
- › Long & sustainable service life with flexibility to relocate
- › Fast, easy and no-mess installation straight out of the box
- › High quality, easy-care surface that can be wiped clean with a damp cloth
- › Great for renovation
- › Recyclable (made of gypsum)

## Format



## Absorption values

Perforation	Construction depth mm	NRC	$\alpha_w$	Frequency-dependent absorption coefficient $\alpha_p$						
				125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
<b>Knauf Cleaneo Adit</b> Wall absorber unit 450 x 2400 mm										
Tangent 14-4/20 Slot	<b>With insulation layer</b>									
	55	<b>0.80</b>	<b>0.80</b>	0.25	0.55	0.80	1.00	0.90	0.90	

Perforated area:  
24.5 %



\*Image illustrates non-standard printed version. Pre-finished white as standard.

# CLEANEO UP

## Ready for installation: The intelligent canopy

### One canopy for every need

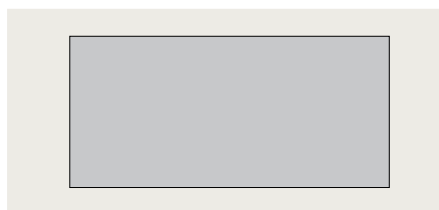
Cleaneo Up gets to the heart of three important demands of modern ceiling planning: First of all it improves the acoustics with a constant homogeneous sound absorption characteristic in a variety of rooms. Secondly, it adds an attractive design feature and last but not least, it is installed quickly and effortlessly. Perfect for the planner and the installer.

The innovative canopy is also suitable for difficult applications. Particularly with complex pipework, ducting & lighting installations where acoustical ceilings cannot be installed on the entire surface. It is supplied with the desired surface including assembly kit, and is pre-finished so does not need to be painted. This reduces the effort and expense with new buildings as well as with renovations.

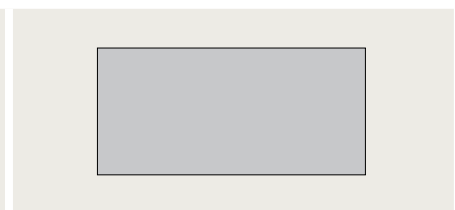
### The benefits:

- › Robust and pre-finished surface
- › No frame construction necessary
- › Highly absorbing combined with very good sound deflection properties
- › Integration of lighting possible
- › Long & sustainable service life with flexibility to relocate
- › Fast, easy and no-mess installation straight out of the box
- › Easy-care and wipeable with a damp cloth
- › Paintable
- › Recyclable (made of gypsum)
- › Can be renovated

### Formats



1000 x 2000 x 57 mm

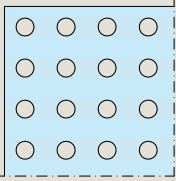


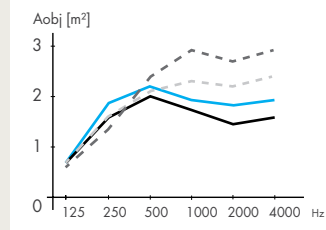
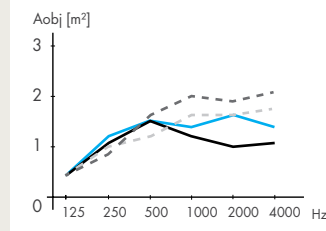
800 x 1600 x 57 mm



Image right:  
It's that simple: Select the design and simply install it using the practical out-of-the-box assembly kit.

## Absorption values

Perforation	Construction depth mm	Equivalent sound absorption area per canopy in Aobj [m <sup>2</sup> ]*						
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
<b>Knauf Cleaneo Single Up</b>								
Standard circular perforation 8/18R   Perforation area: 15.5 %	<b>800 x 1600 mm, with insulation layer</b>							
	100	—	0.4	1.1	1.5	1.2	1.0	1.1
	200	—	0.4	1.2	1.5	1.4	1.3	1.4
	400	- - -	0.4	1.0	1.4	1.6	1.6	1.7
	1000	- - - -	0.4	0.8	1.6	2.0	1.9	2.1
	<b>1000 x 2000 mm, with insulation layer</b>							
	100	—	0.7	1.6	2.0	1.7	1.4	1.6
	200	—	0.7	1.8	2.2	1.9	1.8	1.9
	400	- - -	0.7	1.6	2.1	2.3	2.2	2.4
	1000	- - - -	0.6	1.3	2.4	2.9	2.7	2.9



\*As the panels are freely floating, the back face of the panels are also acoustically effective. Therefore values with  $\alpha_s > 1$  can be used for acoustical dimensioning of rooms





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