



## Acoustic Roll 034

### Partition Wall Insulation Roll

Acoustic roll is a mineral wool based, flexible partition wall insulation slab with minimum dusting and easy application properties. Acoustic roll is specially designed for partition wall systems and offers high level of thermal and sound insulation, as well as providing A1 reaction to fire class.

Knauf Insulation was awarded the first Indoor Air Comfort Gold Standard certificate in 2010 from Eurofins Scientific for its Mineral Wool products with ECOSE Technology, completed as part of the Eurofins Indoor Air Comfort Gold standard testing and certification programme.

Thickness	Width	Length	Thermal Conductivity Coefficient	Thermal Resistance
(mm)	(mm)	(mm)	$\lambda_D$ (W/mK)	R (m <sup>2</sup> k/W)
25	1200	20000	0,034	0.73
50	1200	2000	0,034	1,47
75	1200	5000	0,034	2,2

### MAIN PROPERTIES PRODUCT PROPERTIES

**Thermal Conductivity Coefficient:**

$\lambda_D=0,034$  W/m.K

**Reaction to Fire Class:**

Euroclass A1 ( EN 13501-1

Provides high sound insulation performance  
Tested in authorized laboratories)

**Environmentally Friendly ECOSE®  
Technology**

Binder content does not contain phenol,  
formaldehyde, etc. type volatile compounds.

Low thermal conductivity coefficient,  
resistant to heat transmission.  
 $\lambda=0,034$  W/m.K

- Absorbs air-borne sounds.
- Reaction to fire class; A1
- Does not itch thanks to its minimum dusting advantage.
- Flexible, easy to use, saves time and labor.
- Provides lower inventory cost thanks to compressed packages.

## Acoustic Roll

### SOUND ABSORPTION COEFFICIENTS

Density	Thickness	Octave Band Center Frequency (cycles/sec.)						
		125	250	500	1000	2000	4000	NRC
24 kg/m <sup>3</sup>	25 mm	0,03	0,28	0,56	0,82	0,9	0,94	0,65
	50 mm	0,38	0,89	1,08	1,14	1,1	1,08	1

Technical Properties	Unit	Value
Thermal Conductivity Coefficient	W/m.K	0,034
Reaction to Fire Class	/	A1
Water Vapour Diffusion Resistance	/	1
Compressive Strength (at 10% deformation)	/	NA
Certificate	/	PE
Package	/	CE

### APPLICATION

Acoustic roll is a specially designed insulation roll for partition walls and can be easily installed to plasterboard systems. 1 – 1,5 cm air gap between plasterboard and acoustic roll can create a better insulation performance. Acoustic roll's flexible nature allows a continuous insulation application and provides maximum insulation performance.

### PACKING AND STORAGE

PE film covered and compressed MineralPlus packages contain different quantities of slabs depending on the thickness of slabs. When the compressed packages opened, the slabs extend to their original size and this allows more m<sup>2</sup> product per package. Pictograms showing application details are located on the package. MineralPlus packages should be contained in sheltered areas and should not directly contact with the ground.



### Knauf Insulation

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