

PLAKA DIVIDI

Sound absorbing movable wall

REF 12.12.33 - Version V01 - 25/08/2020



Description



The movable wall PLAKA DIVIDI consists of a visible aluminium frame with a filling of PLAKA SOFT and a fabric covering.

PLAKA SOFT is a 100 % nonwoven polyester.

Recycled PET bottles are used to manufacture this product, for instance.. The fibers are thermally and mechanically bonded without chemical binders. Based on the 'Oeko-Tex Standard 100' the product class for baby products will be fulfilled. PLAKA SOFT features a wide range of attractive properties. The salient quality characteristics are:

- highly sound absorbing
- light weight

The aluminium frame has a 90 mm installation depth. For use as a partition, the base has 2 round feet. A sandwich element comprising two PLAKA SOFT 40 mm thick absorber panels on a rigid carrier panel is used as filler.

Very good sound absorption is achieved with this construction and direct noise transmission is also reduced.

The two fabric covers may be individually printed and may also be replaced later. This renders PLAKA DIVIDI a flexible design element in a room, that can also drastically reduce both reverberation time and sound level.

Application fields

As a partition in

- Offices and administration buildings
- Kindergartens and schools
- Shops
- Call centers
- Banks and insurance companies

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Properties

Mechanical properties	
Base material	Plaka Soft – 100% polyester fibres 2 layers 40 mm thick separated by a 3mm MDF board
Colour <ul style="list-style-type: none"> • Plaka Soft • Frame 	White (colourless) and odourless flat polyester fibre textile material Silver matt
Density	30 kg/m ³
Fire behavior : <ul style="list-style-type: none"> • Polyester fibre textile material Plaka Soft • Fabric cover : 	B1 – flame resistant in acc. with DIN 4102 B1 – flame resistant in acc. with DIN 4102

Sound absorption of PLAKA DIVIDI in reverberation chamber in acc. With DIN EN ISO 354

4 upright elements 2000 x 1000mm

Room volume	391,6 m ³	Test sound	Broadband noise
Room surface	322,2 m ²	Receiver filter	Third octave band filter
Test date	21.08.2012	Testing body	TÜV Rheinland LGA Products GmbH

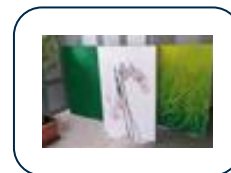
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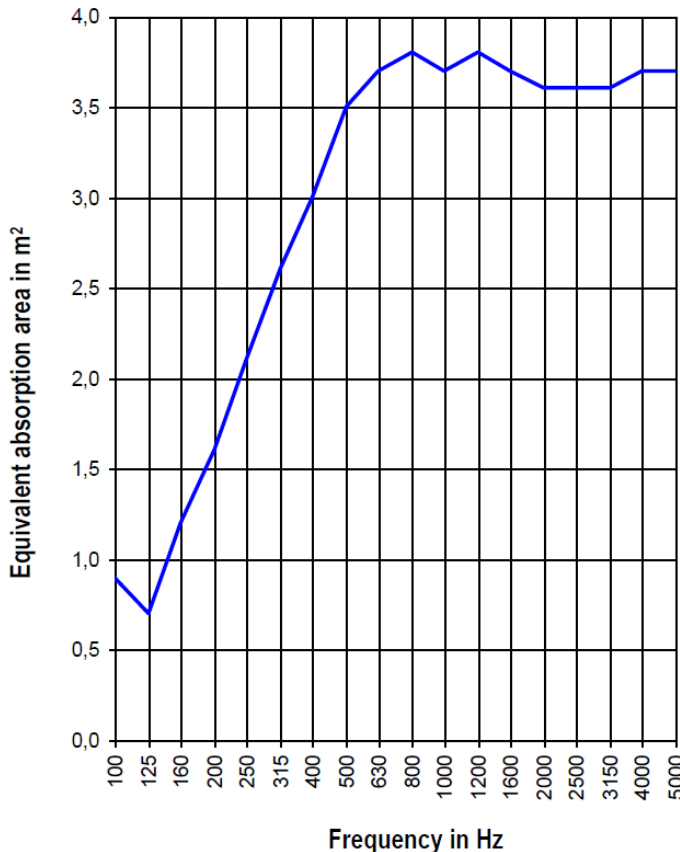
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Equivalent sound absorption area A per element		
Frequency [Hz]	Third octaves	Oktaves
	A [m ²]	A [m ²]
100	0.9	0.9
125	0.7	
160	1.2	
200	1.6	2.1
250	2.1	
315	2.6	
400	3.0	3.4
500	3.5	
630	3.7	
800	3.8	3.8
1000	3.7	
1200	3.8	
1600	3.7	3.6
2000	3.6	
2500	3.6	
3150	3.6	3.7
4000	3.7	
5000	3.7	



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Due to the many possible applications of our products, we recommend subjecting the project to a thorough suitability test on original materials before release for further application.

Since our information are non-binding we do not warranty their correctness. For this reason we accept no liability for possible improper processing based on information submitted by our employees.

This technical data sheet replaces all previous versions and is valid until a new version is issued, or until Dec. 31, 2015. Please request the latest version after Jan. 01, 2016

Dimensions

Dimensions		
Reference code	Description	Units / Box
AKABSDIVIDI1610	PLAKA DIVIDI 1600 x 1000 mm Movable wall with visible aluminium frame 90mm thick, with Plaka Soft filling and a fabric covering on both sides 2 feet diameter 310mm	1
AKABSDIVIDI2010	PLAKA DIVIDI 2000 x 1000 mm	1

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	Movable wall with visible aluminium frame with a filling of Plaka Soft and a fabric covering on both sides 2 feet diameter 310mm	
<u>Fabrics</u>		
AKABSDIVIDIPP	Printed fabric on both sides	1
AKABSDIVIDIPF1	Printed fabric on one side Unprinted fabric on the other side – type PG1 : white – yellow – blue –red or black	1
AKABSDIVIDIPF3	Printed fabric on one side Unprinted fabric on the other side – type PG3 : Camira fabric	1
AKABSDIVIDIF1F1	Unprinted fabric on both sides – type PG1 : white – yellow – blue –red or black	1
AKABSDIVIDIF3F3	Unprinted fabric on both sides – type PG3 : Camira fabric	1
<u>Accessories</u>		
AKABSDIVIDIWHEEL	Additional wheels	4

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