



# **RICHFON 405**

## **Stylish sound absorbers**



Perforation without limits



# Get a hearing and improve acoustics with Richfon Notice Boards and Partitions

A suitable environment in schools, offices, institutions etc. is a combination of many things. Some of the most important factors are good sound conditions as well as aesthetic considerations. There are also other important parameters such as good cleaning and wearing qualities to consider when building activities are planned or buildings are to be renovated.

Richfon partitions and notice boards are effective as well as functional sound absorbers. The notice boards are easily mounted and available in a multitude of colours, with matching waste paper baskets. The partitions only require mounting of two feet and they are ready for use. Furthermore, two or more partitions can easily be connected using a discrete and simple fitting. The sound-absorbing products from RMIG have with their discrete elegance, a washable surface and high protection against fire, been designed to fit into today's modern architecture.

## **No more "schhh" in schools and institutions**

Noise is often a big problem in schools and institutions. Many children in a room with hard furniture make a bad acoustic cocktail. Sounds and noise are reflected from the hard surfaces in the room and distract the children's concentration. Richfon is made for a hard wearing life among children and is one of the best solutions in the market to absorb noise in the high frequency area 2000 to 4000Hz. Whether hung up as a notice board or in use as a partition Richfon has another intelligent function - a hardwearing monitor in the children's colourful and loud universe.

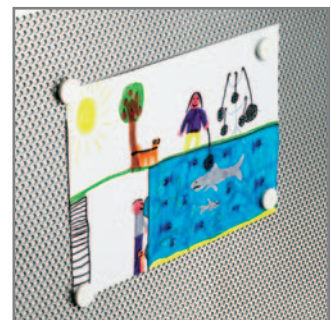
## **Style and good acoustics in the office**

Noise from talk and equipment may be a stress factor in the open office. It is important to be reminded that we, as individuals, may need to work in peace, for instance with the help of a partition.

You can easily regulate noise by hanging up sound absorbing materials, but often acoustic needs collide with the choice of materials and the style of modern workstations. Richfon is designed with this in mind as noise absorbing notice boards and partitions and is ideal for the stylish office landscapes of today. The Richfon series combines good sound and working conditions with clear minimal lines. At the same time no wall space is taken, instead it creates a neutral and functional background for the office and the personal touch of the staff.

## **A unique product from RMIG**

It is a unique combination of the basic material rock wool from Rockfon and a perforated metal surface from RMIG that puts Richfon in a class of its own. Noises and sounds pass unimpeded through the holes in the surface and are effectively absorbed within the rock wool. If the notice board is hung 50 mm from the wall, the sound absorption qualities are further improved. In addition, Richfon is both more hygienic and more fireproof than competing products in the market.



**"Materials must be chosen with regard to aesthetic considerations, but also with regard to good cleaning and wearing qualities and easy maintenance"**

**The Danish Ministry of Education**

| **Acoustics** | The science of sound and the theory of sound conditions in rooms.

| **Aesthetics** | The concept of things being beautiful and pleasant to the senses.

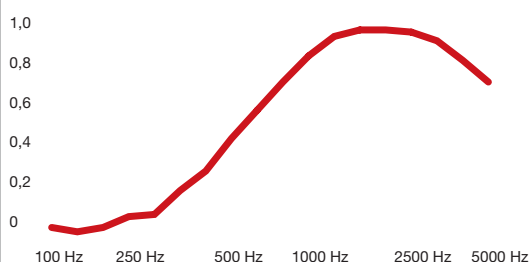


#### Richfon notice boards:

##### Colours and sizes

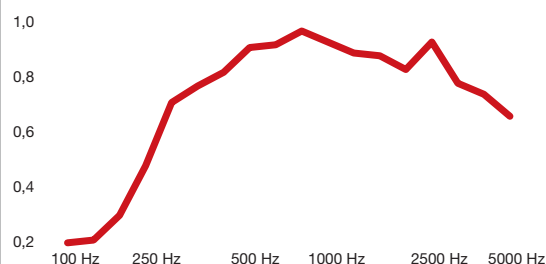
- Richfon 600 x 1200 x 17 mm for immediate delivery in the colour alu.
- Richfon 600 x 900 x 17 mm  
Richfon 600 x 1200 x 17 mm  
Richfon 600 x 900 x 42 mm  
Richfon 600 x 1200 x 42 mm  
delivery approx. 5-7 working days in any RAL colour according to the range of colours you will find on [www.richfon.com](http://www.richfon.com).
- With each Richfon notice board we deliver 6 magnets, 4 screws and 4 plugs.
- We can deliver other sizes, colours and patterns (recommended open area minimum 28 percent) according to agreement.
- It is possible to have, for example, a company logo perforated on the notice board according to agreement.

#### Sound absorption 17 mm



Sound absorption for Richfon 17,0 mm hung direct on the wall.

#### Sound absorption 42 mm



Sound absorption for Richfon 42,0 mm hung direct on the wall.

#### Absorption coefficients:

100 Hz = 0,06	800 Hz = 0,73
125 Hz = 0,04	1000 Hz = 0,85
160 Hz = 0,06	1250 Hz = 0,94
200 Hz = 0,11	1600 Hz = 0,97
250 Hz = 0,12	2000 Hz = 0,97
315 Hz = 0,23	2500 Hz = 0,96
400 Hz = 0,32	3150 Hz = 0,92
500 Hz = 0,47	4000 Hz = 0,83
630 Hz = 0,60	5000 Hz = 0,73

#### Absorption coefficients:

100 Hz = 0,20	800 Hz = 0,97
125 Hz = 0,21	1000 Hz = 0,93
160 Hz = 0,30	1250 Hz = 0,89
200 Hz = 0,48	1600 Hz = 0,88
250 Hz = 0,71	2000 Hz = 0,83
315 Hz = 0,77	2500 Hz = 0,93
400 Hz = 0,82	3150 Hz = 0,78
500 Hz = 0,91	4000 Hz = 0,74
630 Hz = 0,92	5000 Hz = 0,66

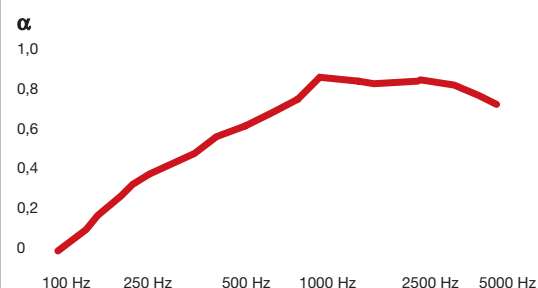
#### Richfon partitions:

##### Colours and sizes

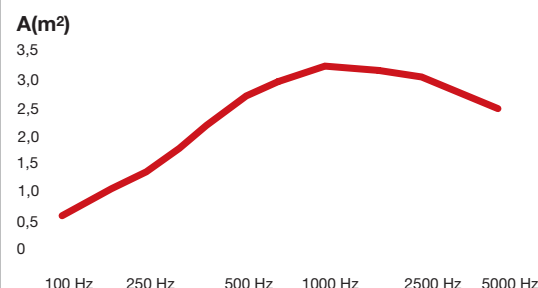
- Width: 1310 mm
- Height: 1310 mm or 1610 mm
- With each Richfon partition we deliver feet coated matt black.
- Richfon partitions can be delivered in RAL 7011 and alu + coating.
- We can deliver other sizes, colours and patterns (recommended open area minimum 28 per cent) according to agreement.
- It is possible to have, for example, a company logo perforated in the partitions according to agreement.

#### Approximately calculated absorption coefficients for the surface of the Richfon partition.

Calculated on basis of the area of absorption measured per partition for a surface of 3,60 m<sup>2</sup>.



#### Absorption coefficients per Richfon partition 1310x1610 mm.



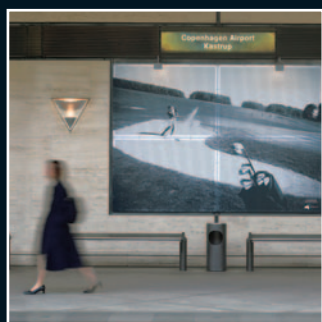
#### Absorption coefficients:

100 Hz = 0,17 α	800 Hz = 0,79
125 Hz = 0,20 α	1000 Hz = 0,87
160 Hz = 0,30 α	1250 Hz = 0,86
200 Hz = 0,34 α	1600 Hz = 0,84
250 Hz = 0,38 α	2000 Hz = 0,84
315 Hz = 0,47 α	2500 Hz = 0,83
400 Hz = 0,53 α	3150 Hz = 0,79
500 Hz = 0,65 α	4000 Hz = 0,76
630 Hz = 0,73 α	5000 Hz = 0,71

#### Absorption coefficients:

100 Hz = 0,60 A(m <sup>2</sup> )	800 Hz = 2,86
125 Hz = 0,71 A(m <sup>2</sup> )	1000 Hz = 3,12
160 Hz = 1,09 A(m <sup>2</sup> )	1250 Hz = 3,09
200 Hz = 1,24 A(m <sup>2</sup> )	1600 Hz = 3,01
250 Hz = 1,35 A(m <sup>2</sup> )	2000 Hz = 3,02
315 Hz = 1,70 A(m <sup>2</sup> )	2500 Hz = 3,00
400 Hz = 1,92 A(m <sup>2</sup> )	3150 Hz = 2,83
500 Hz = 2,35 A(m <sup>2</sup> )	4000 Hz = 2,74
630 Hz = 2,63 A(m <sup>2</sup> )	5000 Hz = 2,54

The sound absorption data are measured in accordance with ISO 354 by Delta Acoustics & Vibration



**Please call for further information about Richfon or the many other solutions we offer within perforation.**

**Only imagination sets the limits!**



**RMIG | [www.richfon.com](http://www.richfon.com)**

**Denmark, Tel. Skanderborg: +45 87 93 44 00 | Denmark, Tel. Ballerup: +45 44 20 88 00**

**United Kingdom, Tel.: +44 1925 839 600**