



DECHO® SCREEN Acoustic dividing screens for desks

Decho® Screen panels for desks are sound-absorbing modules for the acoustic separation and privacy of working stations.

Developed according to the usual hi-tech approach of all the productions by Acustico®, Decho® Screen separators are totally different from the common office furnishings: indeed, they can manage the acoustic comfort and create acoustic partitions in working and coworking areas.

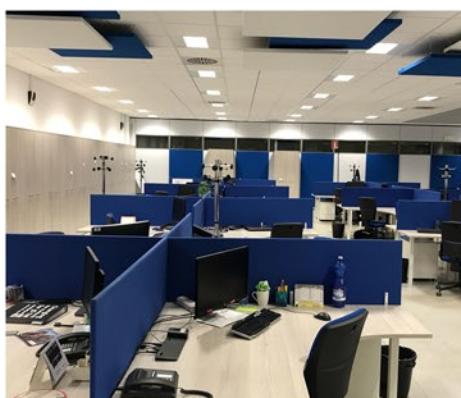
Decho® Screen partitions for desks are both sound absorbing and soundproofing, and create a shielding to sound waves for working stations. At the same time, they contribute to the reduction of reverb problems in spaces, generated by reflecting surfaces.

The installation of Decho® Screen panels contributes to the noise control, eliminating the main causes of stress due to bad acoustic conditions. Moreover, Decho® Screen panels facilitate phone calls, grant the necessary concentration in doing complex activities and generate a pleasant individual privacy condition from the acoustic point of view, especially during break moments among the various work cycles.

A workspace designed to grant an appropriate acoustic comfort may get benefits on workers' psychophysical conditions and increase productivity.



ACOUSTIC COMFORT & DESIGN
Offices, open working and coworking spaces

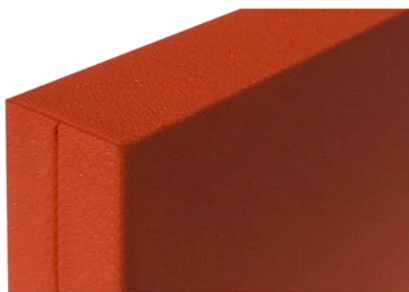


SYSTEMS AND MATERIALS FOR ACOUSTIC COMFORT

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CONSTRUCTION SYSTEM



The construction system of Decho® Screen panels consists of an internal PET polyester fibre core, thermo-smoothed, heat-bound and totally fire resistant, and an internal perimetral metallic frame.

Decho® Screen panels are entirely covered with a robust two-way stretch fabric made of fireproof polyester, available in a wide range of textures and colours. Fabrics may also be provided with any HD digital printing chosen by the customer.

OPERATING PRINCIPLES

Decho® Screen panels for desks belong to a second generation of acoustic separators, and don't contain internal rigid layer, eliminating any eventual sound reflection.

High soundproofing performances are obtained by increasing the density of the internal acoustic material until its functional limit and avoiding, at the same time, an excessive compactness which may generate sound reflections. According to this, it is possible to obtain a balanced level of performance between acoustic permeability (*sound absorption*) and screening effect (*sound insulation*).

Therefore, Decho® Screen panels may function as dividing screens between working stations and sound-absorbing units at the same time: these desk screens can improve the reverb reduction in a space, especially if associated to a treatment of general noise control, managed with a ceiling or wall installation of acoustic panels.

DIMENSIONS AND COLOURS

Decho® Screen panels are available in many standard dimensions (*or may be customized*), about 200 colours and 8 types of textures.

Standard thickness: 45 mm

Standard dimensions in mm:

450 mm H x 600/800/1000/1200/1400/1600/1800/2000/2200 L

600 mm H x 600/800/1000/1200/1400/1600/1800/2000/2200 L

Other dimensions available on request.

Fixing and assembly systems: coloured with Silver RAL 9006



TECHNICAL SPECIFICATIONS AND CERTIFICATIONS

Decho® Screen panel line is fireproof certificated in the [assembled version](#) in [Class 1](#) (UNI 9177) and any construction element meets the requirements of fire resistance and atoxicity.

INTERNAL PET POLYESTER FIBRE

Composition:

100% Polyester fibre

Non-hazardous substance D.M. 12/02/93.

Fire resistance:

UNI EN 13501-1:2009 Euroclass B-s2,d0

Emits no opaque or toxic fumes (ANFOR F1 16-101).

General features:

Resistant to chemical agents (acids, salts, hydrocarbons), microorganisms and bacteria, odour-free, water repellent, does not decay or absorb fumes and smells.

POLYESTER FABRIC COVERING

Fire reaction:

Italy - Class 1

UNI EN 13501-1:2009 Euroclass B-s1,d0

Oeko-Tex® Standard 100 - Classe 1

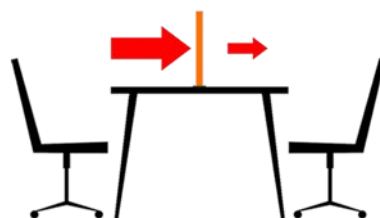
Abrasion resistance (Martindale):

UNI EN ISO 12947:2000 100.000 cycles ± 20%

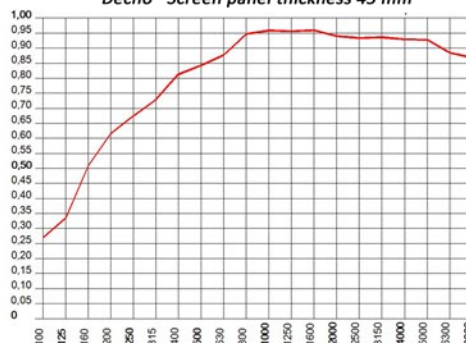
Lightfastness (Xenotest):

UNI EN ISO 105 B02 5 ± 1

Soundproofing capacity R'w 18 dB(A)



Sound absorption values
Decho® Screen panel thickness 45 mm



Decho® Screen panels don't contain vitreous fibres, glass wool or rock wool, nor formaldehyde. Moreover, there is no possibility to disperse any fibre or inhalable dust in the environment.

INSTALLATION

Decho® Screen panels may be singularly installed or in composition with the following fixing systems.

FRONT SCREEN

FIXING SYSTEM WITH C-CLAMP



SCREEN BETWEEN

CLOSE DESKS
FIXING SYSTEM WITH
DOUBLE C-CLAMP



SCREEN BETWEEN

SPACED DESKS
FIXING SYSTEM
WITH HIDDEN
"OMEGA" PROFILE



FREESTANDING

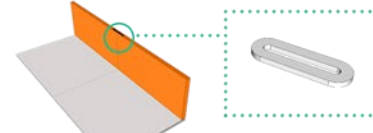
DESK SCREEN
ON SUPPORT SYSTEM



Compositions

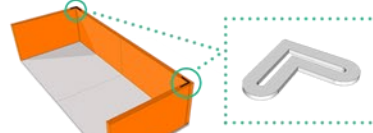
LINEAR COMPOSITION

WITH A STRAIGHT JOINING PLATE



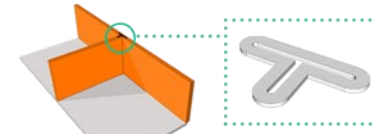
"U" COMPOSITION

WITH A "L" JOINING PLATE



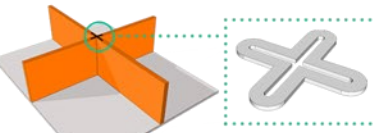
"T" COMPOSITION

WITH A "T" JOINING PLATE



"CROSS" COMPOSITION

WITH A "CROSS" JOINING PLATE



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