

SEDIPHONE®

ACOUSTICAL CORRECTION



FACTEUR D'ABSORPTION ACOUSTIQUE PONDERÉ

$\alpha_w = 0,65_H$

Norme Européenne EN ISO 11-654

RÉACTION AU FEU N° RA 10-0421

A2-s1,d0

Norme Européenne NF EN 13501-1

Function

SEDIPHONE is a decorative coating, which is applied by spraying and intended to provide

ACOUSTICAL CORRECTION

treatments on ceilings and walls of noisy rooms in the aim to attenuate the ambient sound level.

Presentation

SEDIPHONE, in its original packaging of 20 kg, is in the form of a modified plaster based powdery mixture.

By simply adding clean water and nothing else, on site where it is to be applied, a consistent paste is obtained by mechanical mixing and this could be pumped by traditional spraying equipment.

SEDIPHONE, once it has been applied and has dried, combines the following advantages :

- a great deal of sound absorption in medium and high pitched frequencies by the porosity phenomenon ;
- cohesion in the thickness of the product as well as of the support material treated ;
- rapid and efficient operation ;
- a surface finish coloured in the shades of the Salsi colour chart, resistant and textured and favouring the diffusion of sound waves.

SEDIPHONE is free from **ASBESTOS** and mineral wool fibres.

Supports that may be used

SEDIPHONE may be used on the following support materials :

- Concrete
- Cement coatings
- Plaster - staff
- Plasterboard
- Binding stone
- Hourdis stone
- Brick
- Fiberboard
- Pre lacquered steel

Technical characteristics

ACOUSTIC ABSORPTION

Test report
N° 37 326



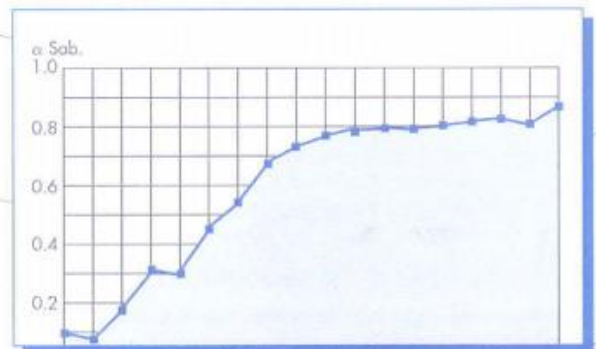
Test carried out on the ground without a plenum chamber and with a product thickness between 20 and 25 mm.

LOW PITCHED	F.Hz	100	125	160	200	250	315
	α sab.	0.10	0.08	0.18	0.31	0.30	0.45

MEDIUM	F.Hz	400	500	630	800	1000	1250
	α sab.	0.54	0.68	0.73	0.77	0.79	0.80

HIGH PITCHED	F.Hz	1600	2000	2500	3150	4000	5000
	α sab.	0.80	0.80	0.81	0.82	0.80	0.86

Alpha Sabine absorption coefficient
More the α is large, more the material absorbs sound



FIRE REACTION

Rapport d'essai n° RA 10-0421
Classement **A2-s1,d0**



DENSITY

Humid product : 500 to 550 kg/m³
Dry product : 190 ± 10 kg/m³

CONSUMPTION

2,3 kg/m² of dry product per cm of thickness

Applications

SEDIPHONE may be used anywhere to attenuate the sound level, such as :

in schools and universities :

- classrooms
- dining rooms
- amphitheatres
- school canteens
- libraries
- workshops
- passages

in sports areas :

- skating rinks
- gymnasiums
- multi-purpose rooms

in public places :

- company restaurants
- rooms for holding events
- conference rooms
- churches


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Use

• PREPARATION OF THE SUPPORT MATERIALS

Before any surface treatment is carried out, the person applying the product must be able to check the support and understand the nature and importance of the preparatory work to be carried out.

The single objective of this preparation is to remove from the support all loose particles (dust, grout, etc) or anything that may compromise the bond of SEDIPHONE (lips, removal of old paint work, freeing oils, hydrocarbon products, silicone products, etc.).

Concrete and/or traditional coating

The supports must be clean, sound, chemically stable and have a pH < 9.

In the case of new supports, they must have a degree of dryness corresponding to a minimum drying period of :

- 30 days for mortar coatings,
- 45 days for concrete.

Plasterboard

The plasterboard surfaces and jointing must be used in compliance with the manufacturer's instructions. Before SEDIPHONE application, plasterboard will be primed with SEDIFIX (cf data sheet).

Pre-lacquered steel support

Degrease if necessary, in order to remove all traces of any product that may affect the adherence of SEDIPHONE and primed with SEDIFIX.

The person applying the product must take particular care with the preparation and fixation of the support to be treated, as this will directly affect the adherence and life of SEDIPHONE.

• PREPARATION OF THE PRODUCT

Pre-mixed in the factory, SEDIPHONE only requires the addition of clean water and nothing else by a mechanical mixer on the site where it is to be applied in order to obtain a paste that could be pumped.

To do this, use a traditional plaster mixer or a continuous mixer adapted for light plaster based materials.

Mixing of the product

Use a device to regulate the water flow and the mixing speed so that a consistent paste is obtained, free from agglomerates, with a density between 500 and 550 kg/m³.

Recommended water gauge : 22 ± 2 litres / 20 kg bag

• APPLICATION

SEDIPHONE is applied in two / 10 to 12 mm coats. Be sure the first coat has set before applying the second coat.

The finished appearance depends upon the diameter of the nozzle and the air pressure used.

• CLEANING OF THE TOOLING

With water, ensuring that the application material is always kept clean and free from old material.

• CONDITIONS FOR USE

Minimum temperature for use : + 5° Celsius, for air ambient and support.

Take care to ventilate the rooms during the application of SEDIPHONE.

Maintain this ventilation after spraying to help the product to dry.

Safety

There are no particular sanitary precautions to be taken when using SEDIPHONE, given that the product does not contain asbestos, mineral wool fibres or abrasive products.

Conservation and storage

- 1 year kept in its original packaging, unopened, in dry conditions, protected from frost, water moisture and all wet surfaces (floors and walls) until it is used.
- Do not use any packaging that has been in contact with water and/or containing product that has hardened or that has frozen.
- Carry out stock rotation using the batch dates on the packaging as a guide.

The products and/or procedures which are the subject of this document have been designed, when operational, to fill one or more functions determined in advance as defined above. These products and/or procedures will however only be able to fill the said functions for the specified duration if they have been implemented according to the rules laid down by Société Salsi and which are current at the time the work is carried out. All cases of application not explicitly provided for in the present document must be the object of consultation and express and formal agreement by Salsi prior to carrying out the work. This edition cancels and replaces all previous publications concerning the same products and/or procedures. It is the responsibility of the persons applying our products to check with our Service departments that the present document has not been cancelled by a later edition.