

Product Description

Acospray is an acoustic spray system by Acosorb. Acospray absorbs noise, which improves speech intelligibility and brings a natural feeling of well-being to a space. It is a seamless spray system with an industrial look and feel once applied. Acospray is applied directly on the substrate.

Applications

Both new constructions and renovations, as long as the acoustic experience plays an important role. For instance: Community spaces, public transportation areas, residential buildings, classrooms, restaurants, sports, auditoriums, nightlife, car parks, offices, living rooms, kitchens, swimming pools, care homes, conference rooms, etc.

Key Features

- Suitable for all types of substrates
- Seamless and following the shape of the subsurface
- At just 25mm thickness, maximum absorption in the speech frequencies is already achieved; at 35mm thickness, NRC 0.95
- Made from high-quality recycled natural cellulose fibers
- Fire class B-s1.d0
- Even when exposed to 55 degrees Celsius and 95% humidity for a long period of time, the adhesion strength remains unchanged
- Adhesion strength 12,600x own weight and therefore very durable (ASTM D7234)
- Production under ISO9001, ISO14001 and ISO18001
- Acoustically tested in accordance with NEN-IN-ISO 354:2003
- Very environmentally friendly: Cradle to Cradle Bronze certified
- Has a regulating effect on the humidity of the air, absorbs at peaks, decreases at troughs.
- Mass-produced in all pantone uncoated shades and on a smaller scale based on pigment input to match Davies Paints Biofresh Flat standard and custom tints

Acoustic Ratings

Thickness	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	aw	NRC
Acospray DC3 10mm	0.12	0.19	0.44	0.80	0.81	0.99	0.45	0.55
Acospray DC3 15mm	0.14	0.26	0.64	0.95	0.95	1.04	0.55	0.70
Acospray DC3 20mm	0.19	0.32	0.77	1.03	1.00	1.02	0.60	0.80
Acospray DC3 25mm	0.23	0.49	0.92	1.06	1.02	1.01	0.75	0.85
Acospray DC3 35mm	0.32	0.73	0.97	1.02	1.00	0.94	1.00	0.95

acosorb

seamless acoustical spray-and plasterwork

Standard Colors



White



Grey



Black

Custom colors are also possible

Project Inspiration



Acospray Preparation

- Substrate needs to be clean. air tight. dry and free of dust (by other trades)
- Completely close holes and cracks in substrate (by other trades)
- Unevenness >3mm must be smoothed (by other trades)
- Those electricity pipes and cables that have to be out of sight. need to be placed directly on the substrate so that they can be hidden in the spray-work (by other trades)
- Electricity boxes need to be extended in the thickness of the spray-work (by other trades)
- Metal parts that can rust when exposed to water need to be pre-treated (by other trades)
- Aluminium or plastic profiles need to be placed to end the spray work when it is not possible to end against a wall or window frame (by other trades)
- The complete system is applied by mobile scaffolds or scissor lifts
- Everything not to spray should be masked before spraying (by other trades, or as pre-agreed arrangement)

Acospray Methodology

- Acospray equipment, consisting of a pump and a separate spraying equipment, is extremely heavy and will require the use of an elevator for transporting vertical distances; floor should not be finished as the spraying equipment may damage floors due to its weight
- Close proximity to both clean water and power source is required
- For each 50 sqm surface area of 15mm thick Acospray to be installed. 175 liters of clean water mixed with 25 liters of water-based adhesive is required.
- Spraying shall only be done by authorized Acospray installers
- The presence of any obstacles to the spray area shall impact the quality of the final output and the speed of application
- For ceiling applications. ideally only hangers and items directly attached to the ceiling should be installed prior to spraying
- Any re-work as a result of damages by other trades should be avoided at all costs as re-work requires removing the original application area much larger than the actual damaged portion and repeating the entire preparation steps and methodology