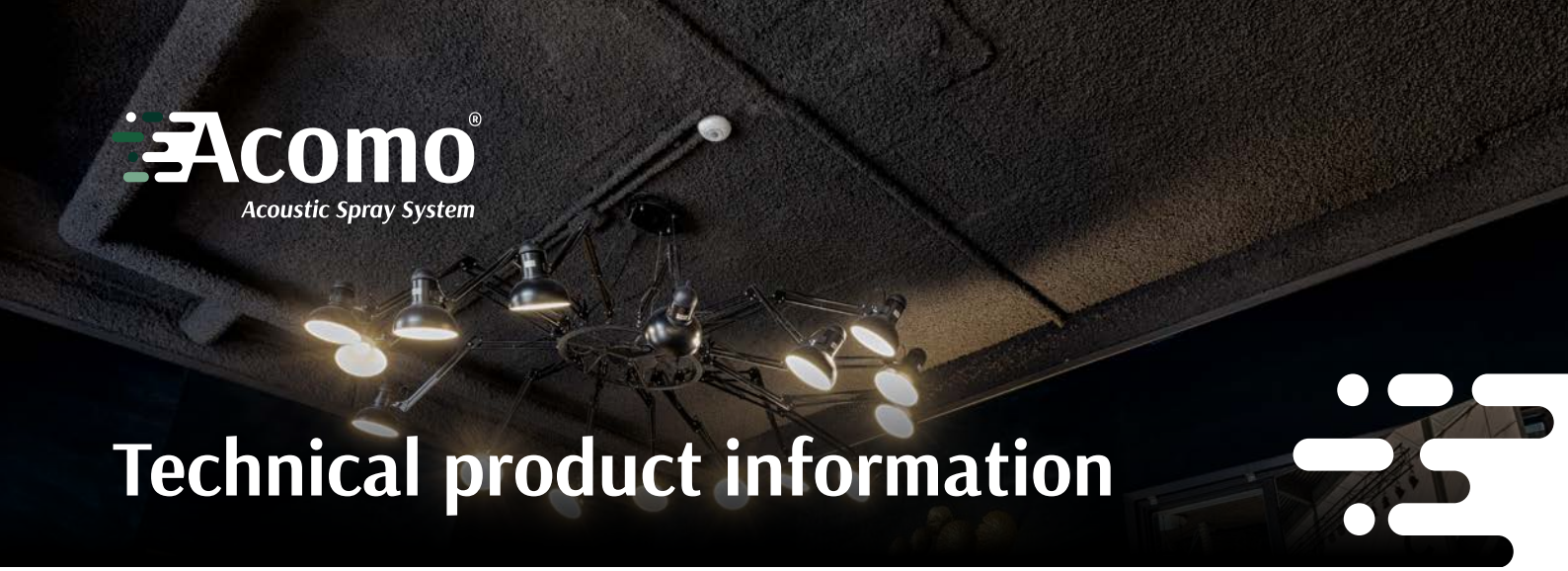

Acomo®
Acoustic Spray System

Technical product information

Material

Product description

Acomo® consists of cellulose flakes, a sound-absorbing material made from 100% recycled material. These 'flakes' are applied using an industrial adhesive, consisting of an aqueous dispersion with a density of 1,090 kg/m³ and a pH value of 7. Acomo® comes in a variety of colours.

Fire classification

The Acomo® product comes under fire class B-s2 d0, as established in the European classification EN 13501-1. The material is characterised as very difficult to ignite with medium smoke production. In the event of fire, no droplets or particles are released, preventing the fire from spreading faster.

Storage instructions

The material must be transported and stored dry and frost-free in its original, unopened packaging.

Application area

Acomo® is suitable for use in indoor and semi-outdoor areas. It can be applied in areas that are partially enclosed and waterproof, such as a parking garage.

However, it is important that the humidity of the area does not exceed 60%. As a result, spraying with Acomo® is possible in environments such as swimming halls, but the material is not suitable for use in bathrooms.

The process

Preparing the space

Before work can commence, the space needs to be free of materials, moveable furniture and people. Lamps and light tracks should also be removed from the ceiling. To ensure a neat result, the walls, floors and moveable technical components will be masked. Pipes and fixtures can also be masked upon request, although we do recommend spraying air conditioning installations along with the other surfaces. This contributes to improved acoustics and gives an even result, which helps to promote a calming ambience.

Preparing the surface

The spray can be applied to any surface as long as it is sturdy, dry, and free of dust and grease. If a light colour is to be used, then we recommend applying a layer of primer as pretreatment. Particularly if the surface has leak rings, rust stains or other undesirable marks on it.

Application

During the application process, the ambient temperature should not be lower than +15°C. When applied, the spray closely follows the contours of the surface.

Equipment:

We combine the cellulose blowing machine with the liquid pump for the glue in order to integrate both products. The head of the glue gun features a special nozzle that enables the careful and accurate application of the glue.

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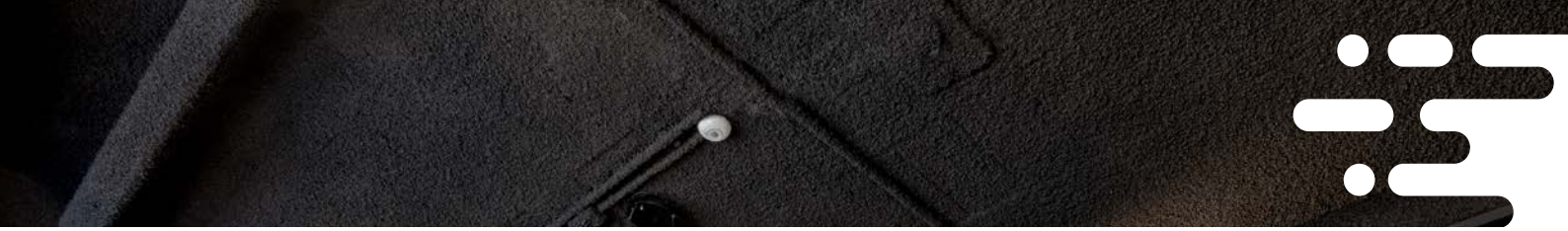

Layer thickness:
On average, layers approximately 4 mm thick are applied, but this thickness may vary according to the situation. A total layer thickness of up to 35 mm can be applied. Please consult the table for detailed information on each layer thickness.

Aftercare

At a constant temperature of at least +15°C, the spray dries at a rate of about 1 mm per day. During the drying process, ventilation of the space should be somewhat restricted to prevent dust from flying up and adhering to the sprayed surface.

General

Maintenance

Maintenance mainly consists of keeping the room clean and replacing the air filters in the air conditioning system in good time, in order to prevent dirt and dust accumulating on the surface. If dirt still appears on the ceiling, then we recommend using a vacuum cleaner with a soft brush attachment to remove it.

Safety

The use of personal protective equipment is recommended during spraying. When on site, our workers wear disposable overalls with a hood, safety shoes, gloves and a dust mask. The latter is necessary due to the use of the flakes, and to the dust that is released by the process. All materials used are water-based, with no chemical additives.

Tips

We recommend pre-drilling suspension points in preparation for the work. We also advise applying a painted slat or an L profile as a means of neatly finishing the transition of the paintwork. After applying the spray, it is worth painting the slat a second time to create an attractive, complete look. In addition, we recommend applying the spray after the plasterer has been, and before the painter gets started.

Technical specifications for each layer thickness

	15 mm	20 mm	25 mm	30 mm	35 mm
Class	C	C	B	A	A
AW	0,60	0,75	0,80	0,95	1,00
NRC	0,75	0,85	0,90	0,95	1,00
125 Hz	0,11	0,18	0,17	0,24	0,29
250 Hz	0,31	0,49	0,52	0,67	0,73
500 Hz	0,73	0,92	1,00	1,06	1,09
1000 Hz	0,95	0,103	1,01	1,03	1,09
2000 Hz	0,94	1,00	0,97	1,00	0,99
4000 Hz	1,06	1,08	1,07	1,03	0,96

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