

# acosorb<sup>®</sup>

seamless acoustical spray-and plasterwork

Acospray DC1

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# Acospray DC1



Acospray DC1 is a float finish that consists of two components: a binding agent and enriched cellulose fibres. The material can be applied in a thickness of 5mm to a maximum of 20mm in the mass (figure 1). It is also possible to apply this to a mineral wool base (figure 2) if very high absorption values are to be achieved. Package thickness 40mm (consisting of 3mm plate adhesive, 30mm absorbent plate material, 7mm Acospray DC1). The material is applied by means of a spraying process in which various layers are sprayed crosswise. This creates a float finish with a very fine texture. This product can be applied to almost any surface. It can even be used in swimming pools or semi-outdoor situations like balconies, due to its hygroscopic properties. The weight after drying per 10mm thickness of applied material is 3 kg/m<sup>2</sup>.

## CERTIFICATION (REPORTING ON REQUEST)

- Cradle2Cradle Institute, achieved result Cradle2Cradle Bronze
- MRPI, ISO 14025 Environmental Product Declaration conform
- MRPI, LCA in accordance with SBK determination method, MKI A-D 0.24ct/m<sup>2</sup> for the variant applied in the mass
- Efectis, 1350-1:2018, B-s1.d0 with the addition of the new borate-free option B-s2.d0 (ask for this specifically)
- Fraunhofer, DIN EN 16516, VOC, complies with VOC and SVOC Building Products 2015/LCI list 2015
- Intertek standard ASTM D7234, bond strength  $\geq 736$  to  $\leq 12600$  its own weight
- Intertek, ASTM C1338-19 Standard, Microbiological Performance, Compliant
- Intertek, standard ISO 105-A02, color change, class 5
- AS 5637.1-2015: Group 1
- AS/NZS 1530.3: Tested (Group 2 – not for classification)
- Green Building Council Australia: Recognised overseas tests; RPV 9
- Singapore Green Building Council (SGBC): 3 Ticks

## COLOURS

White and any other specific color by adding pigment to the adhesive.

## CLEANING

Option 1: Any dust and cobwebs can be removed using a vacuum cleaner with a soft brush attachment.

Option 2: Treat the surface with dry ice. A maintenance contract can also be concluded for this.

## REPAIRS

Repairs can be carried out easily with our mini machine (38kg).

## PAINTING

The material can be oversprayed using an airless spraying technique with a very fine texture. We do not recommend using a rolling technique.

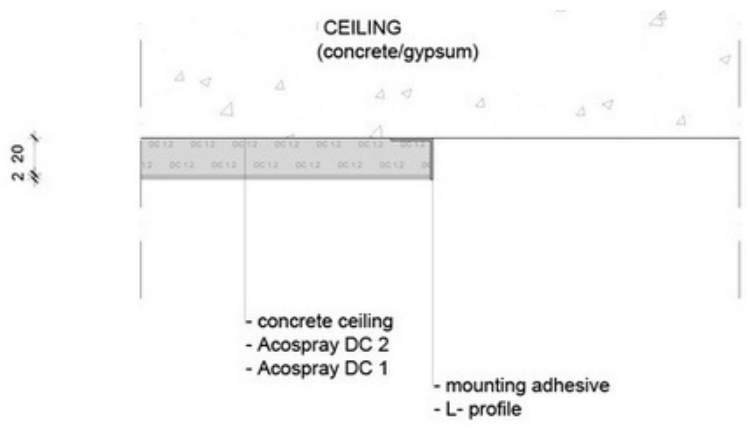
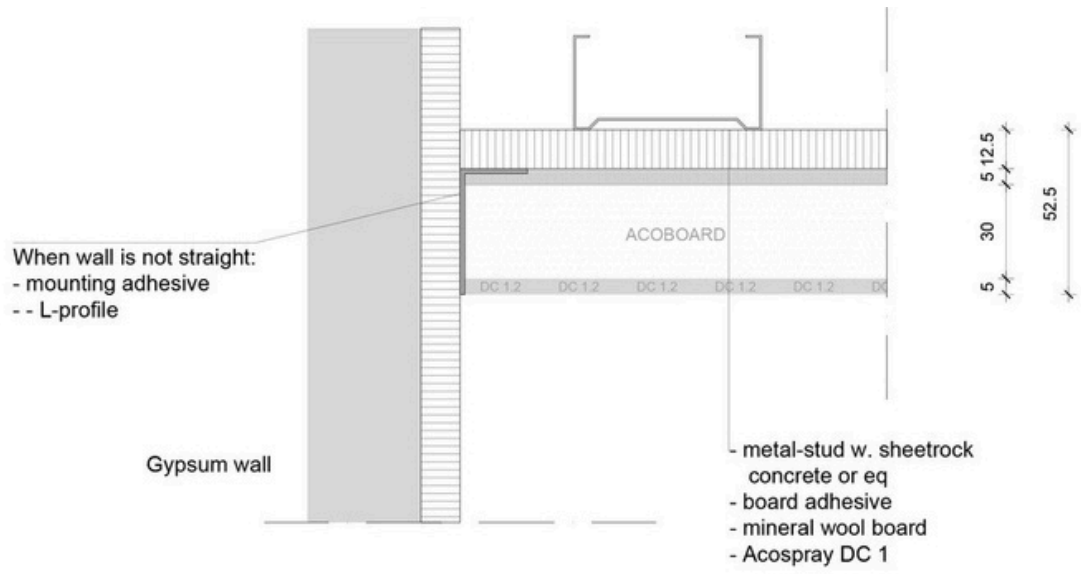
## REMOVE A COUSTIC LAYER

-Moisten the material and let it soak for 24 hours. After that it is easy to remove.

## APPLICATION BASICS

- Substrate must be clean, dry and airtight (close plasterboard seams)
- We recommend applying a green plasterboard as a substrate - The flatness of the surface determines the flatness of the end result
- Aco primer promotes adhesion and ensures a proportional suction power of the substrate.
- Extend junction boxes, etc., to the thickness of the spraying work - If not ended by a wall or frame, a sealing profile must be installed - Pre-treat metal parts against rusting - Installation using mobile scaffolding and/or scissor lifts - Temperature during and after application  $\geq 15^{\circ}\text{C}$  - View our standard detail set for more information, call our spe-

cialists on +31 (0)20 7173000 or send an email to: [info@acosorb.nl](mailto:info@acosorb.nl)



**Acoustic values Acospray DC1 in accordance with ISO 354:2003:**

Product	type	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	aw	NRC
Acospray	DC1								
20mm applied in the mass		0,07	0,29	0,69	0,84	0,92	0,97	0,60	0,70
Acospray	DC1								
35mm on 30mm mineral wool + 5mm spray		0,23	0,78	0,99	0,99	0,98	0,96	1,00	0,95



Appartement Houthavens Amsterdam (The Netherlands)