

acosorb[®]

seamless acoustical spray-and plasterwork

Acospray DC2 1.0

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Acospray DC2 1.0 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 45mm, whereby a thickness of 25 mm already achieves the maximum absorption of speech frequencies. Minor repairs are easily done by hand.

The material is applied by means of a spraying process in which various layers are sprayed crosswise. This creates a finish with a fine spray structure.

The character of the Green Line fibres India Yellow and Hong Kong Grey also allows for production in the Acospray DC2 1.0 version.

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 1.5 – 2.0 kg/m².

CERTIFICATION (REPORTING ON REQUEST)

- Cradle2Cradle Institute, achieved result Cradle2Cradle Bronze
- MRPI, ISO 14025 Environmental Product Declaration compliant
- MRPI, LCA in accordance with SBK determination method, MKI A-D 0.24ct/m²
- Efectis, 1350-1:2018, B-s1.d0 in addition the new borate free option B-s2.d0 (ask for this specifically)
- Frauenhofer, DIN EN 16516, VOC, complies with VOC and SVOC Building Products 2015/LCI list 2015
- Intertek standard ASTM D7234, bond strength ≥ 736 to ≤ 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, Cool Grey, ILA (concrete) Grey, Oman Grey, Black 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.

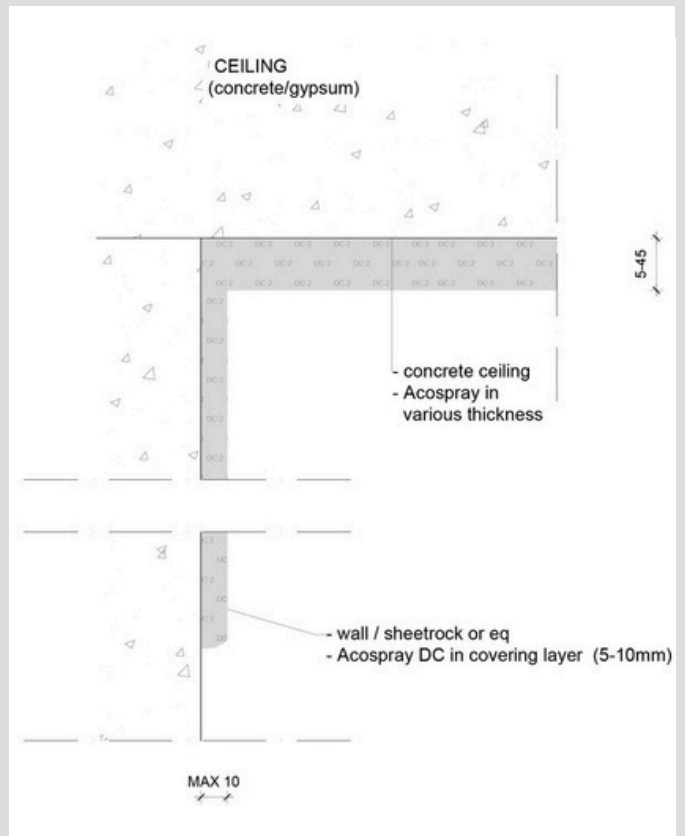
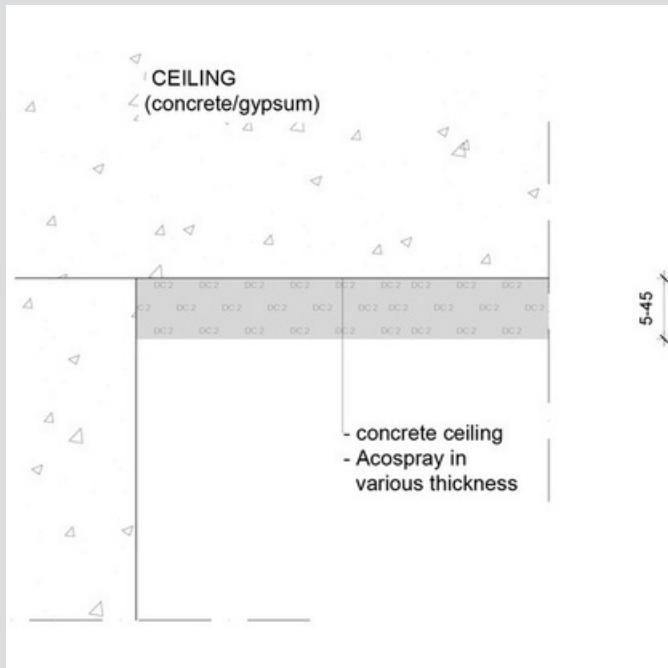
Option 2: Treat the surface with dry ice. A maintenance contract

Medium repairs can be carried out with our mini machine (38kg). For major repairs, refinish with regular spray equipment (200kg).

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

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)
 - The flatness of the surface determines the flatness of the end result.
 - Acoprimer promotes adhesion and prevents seepage and moisture saturation 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 from a thickness of 10mm.
 - Pre-treat metal parts against rusting
 - Installation using mobile scaffolding and/or scissor lifts
 - Temperature during and after application ≥ 15 C
 - Installations/wall parts are sprayed to a standard thickness of 10mm, to allow the contours to be drawn.
 - View our standard detail set for more information, call our specialists on +31 (0)20 7173000 or send an email to: info@acosorb.nl



Acoustic values Acospray DC2 1.0 in accordance with ISO 354:2003:

Product type Acospray	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	aw	NRC
DC2 5mm Acospray	0,11	0,17	0,39	0,69	0,67	0,82	0,40	0,50
DC2 15mm Acospray	0,14	0,33	0,78	0,96	0,97	0,99	0,65	0,75
DC2 32mm Acospray	0,22	0,58	0,83	0,92	0,96	0,94	0,85	0,80
DC2 42mm	0,23	0,68	0,83	0,93	0,98	1,04	0,90	0,85



'Melanchton', school in The Netherlands