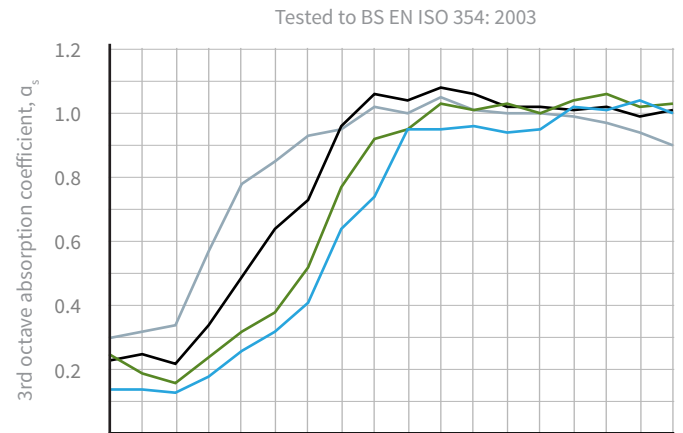


Seamless ceilings
acoustical information



Acospray DC3

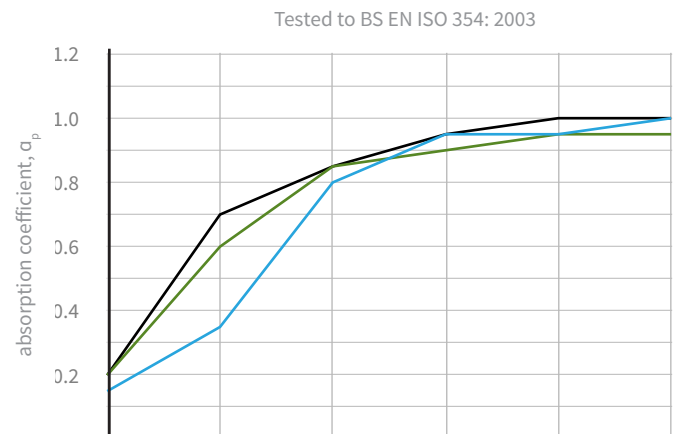
The most textured finish, DC3 offers excellent absorption with an even, coarse texture.



Build up	α_w	NRC	Class	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz
15mm	0,55	0,70	D	0,15	0,25	0,65	0,95	0,95	1,00
20mm	0,60	0,80	C	0,20	0,30	0,75	1,00	1,00	1,00
25mm	0,75	0,85	B	0,25	0,50	0,90	1,00	1,00	1,00
35mm	1,00	0,95	A	0,30	0,75	1,00	1,00	1,00	0,95

Acospray DC2

DC2 is the least textured of the spray-only finishes. Typically used to create a homogenous texture to ceilings and add an extra ambience while also providing excellent acoustic control.



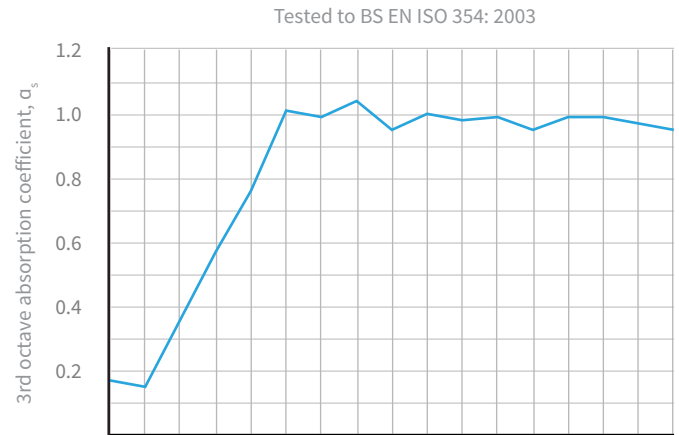
Build up	α_w	NRC	Class	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz
15mm*	0,55	0,70	D	0,15	0,25	0,65	0,95	0,95	1,00
32mm*	0,60	0,80	C	0,20	0,30	0,75	1,00	1,00	1,00
42mm*	0,75	0,85	B	0,25	0,50	0,90	1,00	1,00	1,00

*Improved absorption data soon to be published

** DC2 2.0 now also available with smoothed surface

Acoplaster DC1

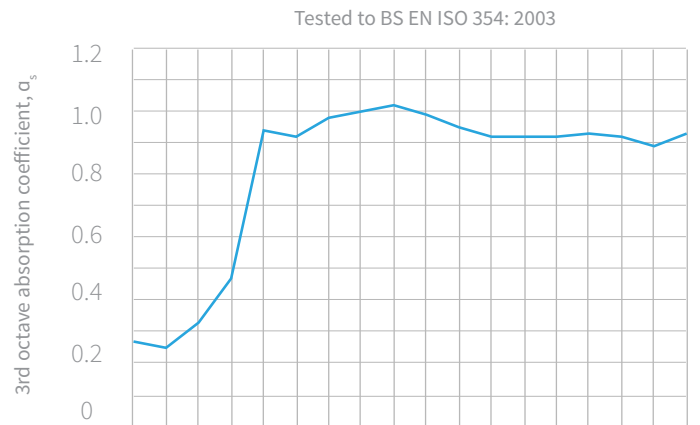
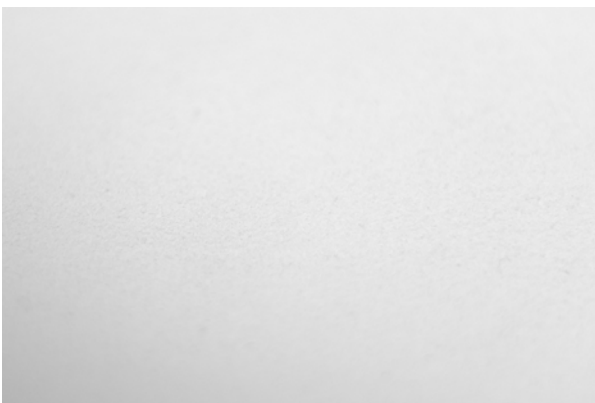
Acoplaster DC1 seamless acoustical plaster provides a smooth finish with Class A sound absorption. The first layer is a specialist mineral fibre of 30mm which is then coated with the plaster finish.



Build up	α_w	NRC	Class	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz
30mm board + 5mm spray	1,00	0,95	A	0,20	0,80	1,00	1,00	1,00	0,95

Acoplaster F1

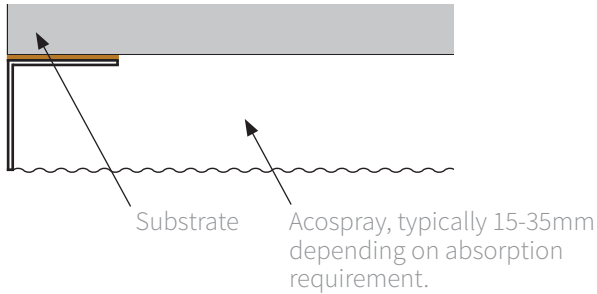
Acoplaster F1 provides the smoothest finish we offer. The first layer is a specialist mineral fibre of 30mm which is then coated with the plaster finish.



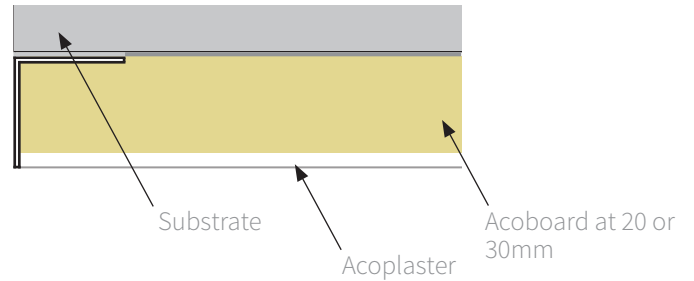
Build up	α_w	Class	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz
30mm Acoboard + 2mm finish	0,90	A	0,30	0,75	1,00	0,95	0,90	0,90

Systems

Acospray is applied directly to most substrates and by having an open-cell structure creates a porous sound absorber.

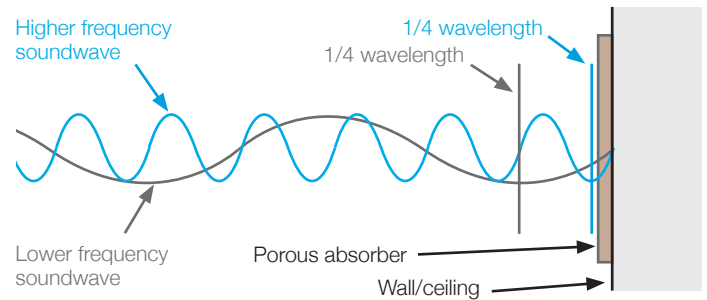


Acoplaster features a mineral fibre 'Acoboard', which is applied to the substrate. A render layer on the surface has low enough density for the porous sound absorber behind to work.



Absorber thickness and performance

The illustration right shows the relationship between absorber thickness and performance. Maximum air movement is 1/4 wavelength from a hard surface, and the closer to this point an absorber sits, the higher the performance. Higher frequencies have shorter wavelengths, and so are easier to absorb as you require less thickness in the absorber. This is typical of all porous absorbers and applies to both Acospray and Acoplaster.



Corrugated surfaces and spraying services

With the Acospray finishes without trowel finishing, spray can be applied directly to corrugated finishes and services. Both will improve the effectiveness of the absorbing ceiling, whilst also allowing an attractive and convenient installation. Particularly with corrugations, this should allow a thinner coating to be applied to achieve the desired acoustical conditions.

