

SonaSpray<sup>®</sup>  
architectural acoustic finishes

OSCAR  
acoustics







# SonaSpray®

## architectural acoustic finishes

### SonaSpray fcx

Sprayed & trowelled, flat acoustic finish with an attractive, lightly pitted, seamless surface. Ideal for use in offices, homes, pools, public places, classrooms, restaurants etc.

### SonaSpray fc

An attractive spray applied, lightly textured, seamless acoustic finish. Ideal for use in offices, public spaces, pools, classrooms, restaurants etc.

### SonaSpray K-13 Special

An attractive, seamless, spray applied acoustic finish with a medium texture, available in standard and custom colours. Ideal for use in offices, public spaces, classrooms, sports halls, auditoria, theatres etc.

### SonaSpray K-13

A deliberately industrial, coarsely textured, seamless, spray applied acoustic finish, available in standard and custom colours. Ideal for use in offices, public spaces, stadia, sports halls, auditoria, night clubs and bars, factories, warehouses etc.

#### Photo

Notting Hill Prep School. SonaSpray K-13 in grey applied onto concrete and plasterboard ceilings at a material depth of 25mm for Hanson Architects. Photo by David Saibene Photography.

#### Front cover image

HIDE restaurant. SonaSpray fcx in two bespoke whites applied to feature curved ceilings on both the ground and first floors for architects Lustedgreen. Photo by Andrew Meredith.







## Environmental

The SonaSpray range contributes towards many sustainable design and health certification systems including BREEAM, SKA, Living Building Challenge and adds up to 17 points towards the LEED (Leadership in Energy and Environmental Design) rating of a project. It is also a perfect fit for WELL Building Standard® certified projects: International performance-based system for measuring, certifying and monitoring features of the built environment that impact human health and wellbeing, through air, water, nourishment, light, fitness, comfort and mind, with a mission to improve human health and wellbeing through the built environment.

### Indoor Environmental and Air Quality

SonaSpray finishes are M1 Classified as Low Emitting Building Materials, are compliant with CDPH/CA Section 01350 and are GREENGUARD Gold Certified for Indoor Air Quality. GREENGUARD Gold Products are now confirmed to show compliance with BREEAM rating system HEA Indoor Air Quality and ensure that a product has met some of the world's most rigorous and comprehensive standards for low emissions of VOC's into indoor air. The range is also covered by an Environmental Product Declaration in accordance with ISO 14025.

### Recycled Content

The SonaSpray range consists of natural plant-based fibres, specialist water-based adhesives and contains a minimum of 80% pre-consumer recycled content.

### Renewable/Raw Ingredients

Cellulose, the primary raw ingredient of SonaSpray, contains wood, cotton and other rapidly renewable

natural resources. These materials can effectively lower the carbon footprint of the building project by sequestering rich stores of carbon for the life of the structure or application.

### Green Project Examples

The SonaSpray range has been included in some of the UK's greenest projects, including The Enterprise Centre at the University of East Anglia, which was dubbed by the press as 'the UK's Greenest Building', achieved Passivhaus standard, BREEAM outstanding rating and 31 accolades including RIBA Sustainable Project of The Year, BREEAM Awards Best Education Project and Passivhaus Trust Award.

Delos, the founder of the WELL Building Standard, used SonaSpray fcx for their new office in New York City, which was built to the highest version of WELL.

## Testimonials

*"Simply awesome! It's created a totally different dining environment. Speech and music are clear and all background clutter noise has gone. The restaurant feels comfortable and somehow warmer and cosier."*

Comments from Black Tiles Restaurant owner Tim Yeo, (as featured on BBC Radio Four - architectural acoustics report)

*"The effect of the application has been tremendous! The hall is a different room and PE, assemblies and lunch-times have become pleasurable occasions compared to the sonic battleground we experienced previously."*

Headteacher, Meadowside School, Gloucester

*"I am writing to congratulate your Company for the success achieved in the reduction of the noise level in our school dining room when 200+ children are having their lunch. Prior to the application of SonaSpray, the noise level was deafening, and now it is possible to talk to ones neighbour in a normal voice when lunching at the staff table. We shall certainly use you again in other school rooms where the noise level is high or the acoustics are poor".*

D.K.Emmett, Bursar, Fulham Prep School

*"Following the recent installation of nearly 3,000m<sup>2</sup> of SonaSpray K-13 Special to the corridors, classroom and Activity Hall ceilings plus an extra 200m<sup>2</sup> of works in the Main Sports Hall at St. Pauls Way Community School, Bouygues UK Ltd would like to thank Oscar Acoustics for their hard work in delivering a high standard of work within our programme, for which speed of installation was critical. Your site teams should be commended on the professional manner in which they conduct themselves; we found them to be extremely helpful and knowledgeable whilst keeping comprehensive day to day records of events.*

*They kept a 100% health & safety record for the duration of the project, passing unannounced inspections from an independent Health & Safety company. We are delighted with the appearance of the finished SonaSpray K-13 Special product and the performance that it provides; so too is our client. It passed all regulation testing first time.*

*We would also like to thank Oscar Acoustics for their over and beyond acoustic technical advice on our project which meant the need for outside acoustic consultancy was kept to a minimum. We have recommended you for further Bouygues UK projects and look forward to continuing our working relationship with Oscar Acoustics."*

Chris Stevens  
Managing Director, Bouygues UK





## SonaSpray fcx

Scarves Bar, Rosewood Hotel, Holborn.

SonaSpray fcx applied onto plasterboard & painted for a velvet effect.  
Specified by architects' Martin Brudnizki Design Studio.







[HIDE restaurant, Mayfair.](#)

SonaSpray fcx in two bespoke white's applied to feature curved ceilings on both the ground and first floors. Specified by architects' Lustedgreen. Photo by Andrew Meredith.



## SonaSpray fc

Blavatnik School of Government, Oxford.

SonaSpray fc in white applied directly onto finished concrete throughout the atrium, seminar rooms and lecture theatre. Specified by architects Herzog & de Meuron.







Freshfields Bruckhaus  
Deringer LLP, Manchester.

SonaSpray fc in light grey applied directly onto a metal profile deck soffit to decorate and control sound reverberation. Specified by architects' TP Bennett.





## SonaSpray K-13 Special

Islington Council.

SonaSpray K-13 Special in white applied directly onto concrete slab throughout the customer centre and offices. Specified by architects Studio TILT. Photo by Jill Tate.





The Brassworks, Kings Cross.

SonaSpray K-13 Special in white applied onto plasterboard pitched ceiling between feature restored beams.



WELCOME. WILKOMMEN. 歓迎.  
BIENVENUE. BENVENUTO.  
स्वागत हे. WELKOM. ようこそ.

## SonaSpray K-13

Investec, London.

SonaSpray K-13 in grey applied directly onto rib deck soffit and foil faced lattice beams throughout offices, relaxation areas and gym. Specified by BW Workplace Experts and architects TP Bennett.





Ice Arena Wales, Cardiff  
International Sports Village.

SonaSpray K-13 in white applied directly onto the profiled metal deck soffit, in the training rink and onto plasterboard in the main 3,000 seat international ice hockey arena to control sound reverberation and condensation.



# Technical Information

## Fire Performance Ratings:

UK fire test by Warrington Fire Research:  
Class 0 to BS476 Part 6  
Class 1 to BS476 Part 7

European fire test by Efectis Nederland:  
B – s1, d0

Full fire test reports available on request.

## Quality Assurance:

- SonaSpray is manufactured by ICC to ISO 9001.
- Installed using a four stage Oscar Acoustics quality assurance plan.

Oscar was established in 1978; this experience enables us to provide a well detailed, quality installation that stands the test of time. From specification to installation, everything is kept in-house. Oscar Acoustics only use qualified in-house operatives who specialise in installing our systems to ensure high standards are maintained.

## Design Assistance

- BIM Objects available for every product.
- All products are included within all current NBS software.

- Recessed & surface mounted items possible – see website for more information.
- Standard detail drawings for most situations.
- Bespoke detailing solutions possible.

## Colour:

Standard Colours: (s) = Stock  
(ns) = Non-Stock

### Fcx:

Arctic White (s), White (ns)

### Fc:

Arctic White (s), White (ns), Black (ns)

### K-13 Special:

White (s), Light Grey (s), Grey (s), Dark Grey (ns),  
Black (s), Beige (ns), Tan (ns)

### K-13:

White (s), Light Grey (s), Grey (s), Dark Grey (ns),  
Black (s), Beige (ns), Tan (ns)

Bespoke Colours are manufactured to order. Minimum order quantities apply and square meterage is dependent on the product and thickness of spray. Please send us your colour requirement using a Dulux paint reference and we will respond with quantity, price and colour samples.

## Durability:

The adhesive used with SonaSpray provides a strong, durable and resilient bond. Fully cured SonaSpray can improve the composite strength.

## Bonding to Substrate:

The SonaSpray range can be applied to virtually any substrate configuration, although some limitations apply to SonaSpray fcx trowelled; please contact Oscar Acoustics for more advice. Some surfaces may need a barrier primer to prevent staining from contaminants whilst the surface is wet.

## Condensation & RH Control:

SonaSpray aids in condensation and humidity control by absorbing large amounts of water vapour and releasing it when humidity levels drop, promoting a healthy and balanced atmosphere. SonaSpray reduces ventilation requirements, with potential savings in equipment and operating costs.

## Thermal:

SonaSpray is excellent at thermally insulating by creating macroscopic air spaces between and within the cellulose fibres. U-Values can be adjusted to your projects exact requirements by adjusting the spray material depth.



# Acoustic DATA

## SonaSpray K-13

Depth	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	NRC	Qw
16mm	0.10	0.40	0.90	0.95	1.00	1.00	0.85	0.70
25mm	0.20	0.55	0.95	1.00	1.00	0.95	0.90	0.85
38mm	0.20	0.65	1.00	1.00	1.00	1.00	0.95	0.95
50mm	0.35	0.80	1.00	1.00	1.00	1.00	0.95	1.00
70mm	0.40	1.00	1.00	1.00	1.00	1.00	1.00	1.00
76mm	0.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00

## SonaSpray fc

Depth	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	NRC	Qw
8mm	0.10	0.20	0.55	0.75	0.80	1.00	0.60	0.50
12mm	0.10	0.35	0.80	0.95	1.00	1.00	0.65	0.65
16mm	0.10	0.35	0.85	1.00	1.00	0.95	0.70	0.65
20mm	0.10	0.35	0.85	1.00	1.00	0.95	0.75	0.65
25mm	0.05	0.40	0.95	1.00	1.00	1.00	0.85	0.70

## SonaSpray K-13 Special

Depth	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	NRC	Qw
12mm	0.10	0.25	0.70	0.80	0.95	1.00	0.70	0.55
16mm	0.10	0.35	0.80	0.90	1.00	1.00	0.75	0.65
19mm	0.10	0.40	0.85	0.90	1.00	1.00	0.80	0.70
25mm	0.20	0.50	0.90	1.00	1.00	1.00	0.80	0.80
30mm	0.20	0.60	0.95	1.00	1.00	1.00	0.90	0.90

## SonaSpray fcx

Depth	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	NRC	Qw
6mm	0.05	0.10	0.40	0.70	0.85	0.90	0.50	0.40
10mm	0.10	0.25	0.60	0.75	0.85	0.70	0.55	0.55
13mm	0.05	0.15	0.50	0.90	1.00	1.00	0.65	0.40
19mm	0.15	0.45	0.80	0.85	0.85	0.95	0.75	0.75

Acoustic testing has been carried out against concrete. Substrates likely to provide increased performance include plasterboard with the use of an air gap behind, rib deck or profiled metal sheet. Please contact Oscar Acoustics' technical department for free design assistance.



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