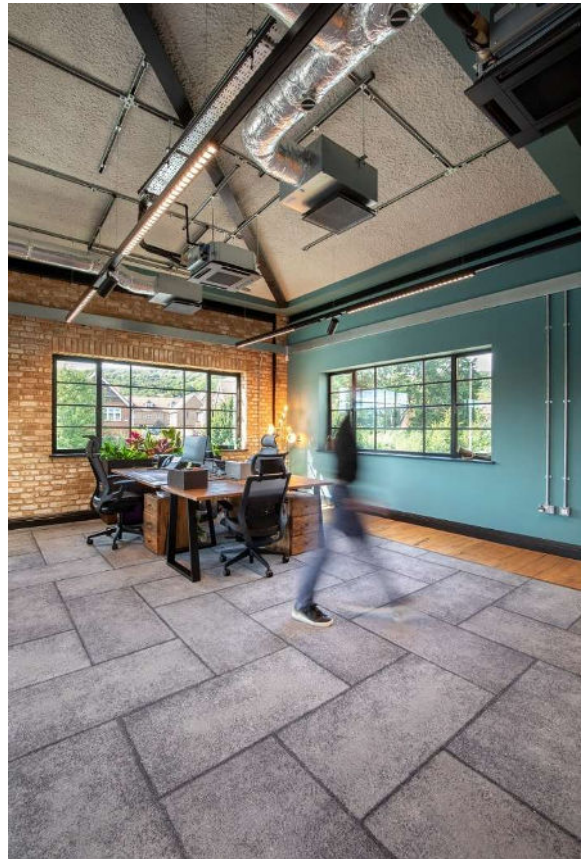


Technical Data Sheet

SonaSpray[®] K-13 Special



Fire performance ratings

All our products significantly better the new fire requirement required under the updated Approved Document B.

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

UK fire test by Warrington fire research:
Class 0 to BS476 Part 6
Class I to BS476 Part 7

Full fire test reports available on request.

Important: Always insist on obtaining a copy of the fire test report before using a product.

Its Class 0 to BS476 & B-s1,d0 fire rating provide significant benefits over the new Approved Document B requirements by providing little to no smoke and absolutely no droplets, assisting in the safe escape of occupants.

Visit our website for more information on the fire properties of SonaSpray and the new Approved Document B requirements.

<https://www.oscar-acoustics.com/products/acoustic-sprays/sonaspray-k13-special/>

Sownd Certification

Sownd Certification is the world's first accreditation that recognises buildings with proven acoustic performance as audio-inclusive for noise-sensitive individuals, including those with hearing or visual challenges and neurodivergent individuals. While this group makes up over 30% of the UK population, well-designed acoustics enhance comfort and wellbeing for all users.

Every Oscar Acoustics project automatically qualifies for Bronze Sownd Certification, offering a clear, credible marker of inclusive, future-ready design.

<https://www.oscar-acoustics.com/sownd-certification/>

Acoustic DATA

For spaces where reverberation is a concern, SonaSpray offers a fully tailored solution. Specify the texture, colour, and acoustic performance to suit your project's exact requirements.

The below acoustic data is tested as worst case, onto concrete. Applying onto other substrates such as plasterboard with air gaps behind or profiled metal soffits, primarily increases absorption at low frequency which can increase absorption classes.

SonaSpray can achieve any class as we can adjust acoustic performance by increasing and decreasing the material depth to suit the acoustic requirement and budget. It is spray applied to the full thickness in one application.

SonaSpray K-13 Special absorption coefficients

Depth	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	NRC*	α_w	Class
12mm	0.09	0.22	0.58	0.79	0.98	1.04	0.64	0.55	D
16mm	0.10	0.35	0.83	0.88	0.99	1.04	0.76	0.65	C
19mm	0.09	0.35	0.87	0.87	1.03	1.07	0.78	0.70	C
25mm	0.14	0.54	0.93	1.03	1.08	1.05	0.89	0.80	B
30mm	0.18	0.60	0.98	1.03	1.04	1.05	0.91	0.90	A

* NRC calculated from EN 20354 tests.

Please contact Oscar Acoustics' technical department for free design assistance.
mail@oscar-acoustics.co.uk or call 01474 854902.

Quality assurance

From specification to installation, everything is kept in-house. We have created our own purpose-built training facility in our Oscar Innovation Centre HQ.

The 'SonaSpray Training Academy' provides a controlled environment for our teams to build their skills with our Head of Quality Control. This ensures a high-quality and long-lasting acoustic finish every time.

- SonaSpray is manufactured by ICC to ISO 9001.
- Installed using a four stage Oscar Acoustics quality assurance plan.
- Materials, equipment, labour and installation only to be provided by ICC's sole licensee for Great Britain – Oscar Acoustics.

Design assistance

- [BIM Objects](#) available for every product.
- All products are included within all current [NBS software](#).
- Recessed and surface mounted items possible – see website for more information.
- Standard detail drawings for most situations.
- Bespoke detailing solutions possible.

Detailing of acoustic finishes - CPD

Oscar Acoustics offer a 'Detailing of acoustic finishes' CPD:

<https://www.oscar-acoustics.com/cpd/>

This presentation includes:

- The biggest myths architects are still being told about reverberation, including frequencies and Class A absorption.
- Live drawing detailing for avoiding common pitfalls and achieving a long-lasting acoustic finish.
- Things to be aware of with all acoustic finishes.
- An introduction to the pioneering [Sound Certification](#). A new global performance-based framework, designed to formally classify buildings as audio-inclusive.

Visit our product showroom

Our state-of-the-art HQ, the Oscar Innovation Centre, in Halling, Kent, showcases its SonaSpray range in a real-life setting. By booking a tour you will get a real sense of how the SonaSpray can visually and acoustically transform your next project.

Book a tour for yourself, your design teams and potential clients to view SonaSpray products in situ and see and hear them come to life.

Only 30 minutes from London by train, the Oscar Innovation Centre is located in Halling, Kent.

Book a tour here: <https://www.oscar-acoustics.com/book-a-tour-cpd/>

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.

The SonaSpray range achieves M1 certification as Low Emitting Building Materials. This is the best possible classification.

SonaSpray finishes 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 and meets the requirements of the Living Building Challenge and LEED.

Achieves Cradle to Cradle and contributes towards satisfying many features under the WELL Building Standard.

Embodied carbon

Made of fire treated, recycled newspaper and other rapidly renewable natural resources, SonaSpray can effectively lower the carbon footprint of a building project by sequestering rich stores of carbon for the life of the structure or application.

Recycled content

Recycled content values for SonaSpray® fibres (excludes water-based adhesive):
Pre-Consumer recycled content: Minimum 80%

Recycled content values as installed (consisting of both fibres and water-based adhesive):
Pre-Consumer recycled content: Minimum 50%

Recyclability

SonaSpray is a permanently installed interior finish material that is designed for the useful life of a building project. At the end of its useful life, the material may be removed and repurposed into thermal cavity fill insulation or for other recycling applications.

Disposal in accordance with local recycling/disposal rules.

Take back scheme

Oscar Acoustics can take SonaSpray back and have it milled into thermal cavity fill.

ISO 14001 accredited

Oscar Acoustics have taken steps to reduce our environmental impact and demonstrate our commitment to protecting the environment by achieving ISO 14001 certification.

Thermal DATA

SonaSpray acoustic ceiling and wall finish insulates by creating dead air spaces macroscopically between and within the hollow cellulose fibres. Testing on actual buildings demonstrates that sprayed insulation outperforms fibreglass bats that are mechanically retained.

100mm thick $U = 0.32 \text{ W/m}^2\text{K}$

Mass

- Dry Weight of SonaSpray Special K-13 per 10mm thickness = 0.90 kg/m²
- Wet Weight of SonaSpray Special K-13 per 10mm thickness = 1.72 kg/m²
- Dry Weight of SonaSpray K-13 Special per 20mm thickness = 1.80 kg/m²
- Wet Weight of SonaSpray K-13 Special per 20mm thickness = 3.44 kg/m²

Bonding to substrate

SonaSpray K-13 Special acoustic ceiling and wall finish can be applied to virtually any substrate; some surfaces may need priming to control suction. Old surfaces may need a barrier coating to prevent staining from leaching out contaminants while the surface is wet. Fully cured SonaSpray K-13 Special will improve strength as well as reducing noise reverberation.

Durability

The adhesive used with SonaSpray K-13 Special acoustic ceiling and wall finish provides a strong, durable and resilient bond. When fully cured, surface strength of old plaster will typically improve.

Recessed items

Recessed services e.g. spot lighting will require a halo spacer to match the material depth. Oscar Acoustics manufacture and install stainless steel halo spacers (drawing available) to the same size as the hole cut out. Stop beads may be required around openings which again we can supply and install. Specially designed access hatches are also available through Profab, enabling the SonaSpray to continue across the hatch door. Problems can arise from using other hatches. These items are at extra cost and are to be purchased direct from the Profab. Please contact Oscar Acoustics for details and item code. Surface mounted fittings e.g. hanging/pendant lights will require pattresses to match the material depth.

Please contact Oscar Acoustics for further advice.

Please Note: 90% of flangeless fittings do not work properly with any acoustic finish. If you are specifying a flangeless fitting, please contact Oscar Acoustics for advice.

Where to use

SonaSpray K-13 Special can be quickly and effectively applied to any prepared surface and construction configuration where noise reverberation is a problem. This allows minimum working down time in existing structures with abilities to meet critical deadlines in new construction. SonaSpray K-13 Special has a medium surface texture and is suited to reducing noise reverberation in large rooms and halls. When applying to walls, position acoustic finishes above head height. For lower walls or areas of high impact, see EchoCheck acoustic blocks.

Other SonaSpray products offer a finer surface texture.

Please note that it is important not to use moisture resistant plasterboard as this can cause staining of wet applied products. Oil based stain barrier paints can be used to prevent this. Please consult Oscar Acoustics for more information.

A minimum of 12.5mm thick plasterboard, installed to British Gypsum specification should be used.

Maintenance

SonaSpray K-13 Special can be over-painted (consult Oscar Acoustics technical department before painting as noise reverberation controlling properties can be significantly reduced if applied incorrectly), or applied with additional coats of SonaSpray. Small areas of damage can be repaired by hand.

If SonaSpray K-13 Special acoustic ceiling and wall finish is disturbed or damaged so that fibre is released into the atmosphere, the resulting contamination is harmless. Maintenance work can be undertaken while the building is occupied. Please refer to COSHH data for detailed product analysis.

Colour

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

SonaSpray fcx: Arctic White (s), White (ns)

SonaSpray fc: Arctic White (s), White (ns), Black (ns)

SonaSpray K-13 Special: White (s), Light Grey (s), Grey (s), Dark Grey (ns), Black (s), Beige (ns), Tan (ns)

SonaSpray 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 RAL, RAL Design or Dulux paint reference and we will respond with quantity, price and colour samples.

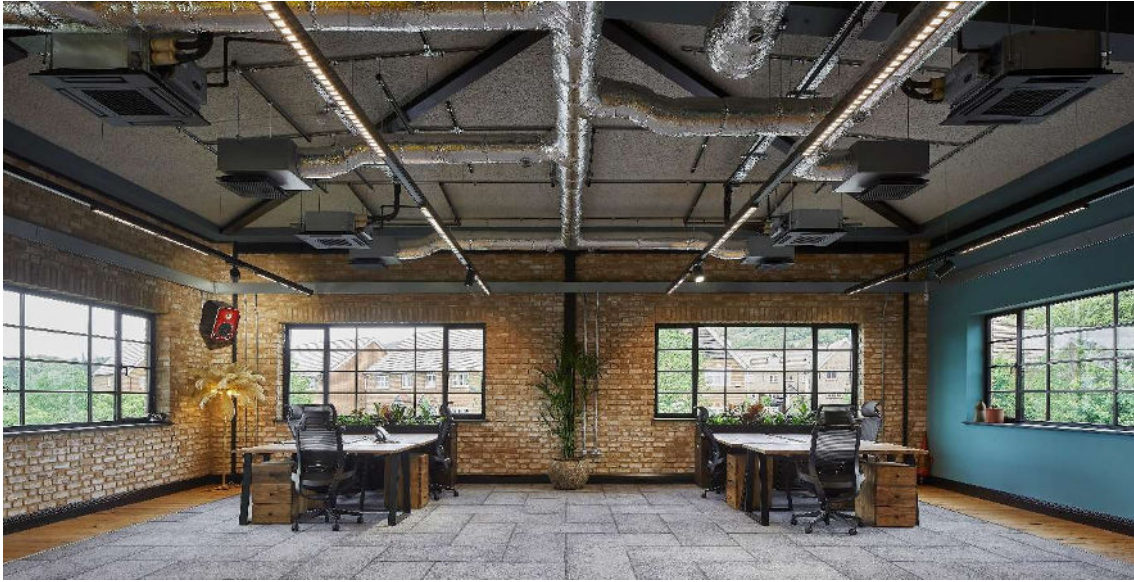


Image credits for SonaSpray K-13 Special
Oscar Acoustics – Oscar Innovation Centre.