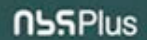


OSCAR ACOUSTICS

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Sonatherm[®]

[Click here for NBS spec](#)

Thermal Acoustic Insulation

Sonatherm thermal acoustic insulation is a seamless, decorative ceiling and wall finish that can be applied to most surfaces or constructions. Sonatherm consists of panels of expanded polystyrene over sprayed with a choice of SonaSpray acoustic finishes to achieve a fire rating and attractive appearance, making it ideal for basement car parks, cantilever buildings and balconies. By varying the thickness of the polystyrene slab all permutations of insulation are achieved. The layer of SonaSpray also means that any sound is absorbed rather than being reflected, considerably reducing reverberation times and therefore reducing overall noise levels.



Low Embodied Energy - Good for the Environment – Recyclable. Perfect for thermal acoustic insulation!

Reconstruction of a building may necessitate removal of the SonaSpray and EPS components of Sonatherm. The SonaSpray component can be recycled or disposed of as a non-special waste to landfill.

Sonatherm thermal acoustic insulation summarised:

- Building Regulations 2000 Approved document 'E' compliant
- Thermal acoustic insulation
- Reverberation noise reduction.
- Spray applied one coat decorative finish with EPS substrate.
- Seamless monolithic ceiling, with fire rating.

Finish -

Decorative and seamless sprayed coating

Colour -

Virtually unlimited

Thermal insulation -

Made-to-measure

Acoustic performance -

Pleasant, non-reverberant atmosphere

Fire rating -

Class I to BS476 Part7 - Class O to BS476 Part6

Time saving -

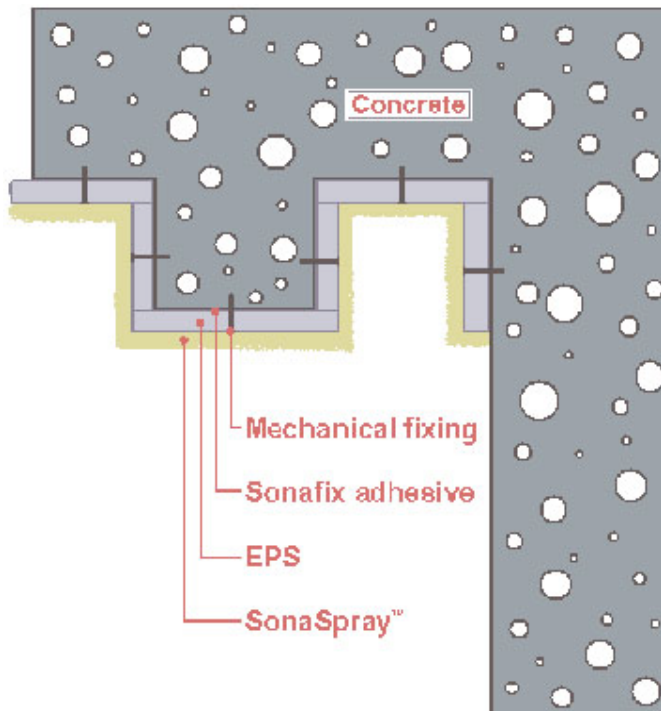
Fast installation in one single spray coating

Environmentally friendly -

Cellulose fibres, fully recycled, low embodied energy, low CO2

Price -

The friendliest on price



Other Applications:

Sonatherm thermal acoustic insulation can also be used for the soffits of walkways, underpasses and balconies. In any area where it is protected from direct rain architects can employ the insulating and acoustic properties of Sonatherm to the full.

Application:

The Sonatherm polystyrene slabs are fixed with adhesive and mechanical fixings to the substrate; this procedure is quick. Spraying the surface with SonaSpray which then follows, is even quicker! allowing us to offer very economical solutions and added value to the building.



Acoustic Lining:

The exceptional noise absorption quality of Sonatherm thermal acoustic insulation offers buildings, e.g. basement parking, an acoustic comfort that must be experienced to be appreciated. Cutting noise pollution for surrounding areas with an environmentally friendly, recycled product is a truly worthwhile benefit.

Repairing & Servicing Sonatherm:

Local repairs of small areas are performed by hand. A wall or a ceiling can be entirely over sprayed in the same or a different colour. It is also possible to spray with a water based paint - consult Oscar Acoustics technical department.

Dust can be removed by blowing with an air pressure gun or by vacuuming with a soft brush attachment

Sonatherm 70/20 - construction - Thermal Acoustic Insulation - Typical Calculation ADDED INSULATION TO A CONCRETE SOFFIT

Typical "R" Values	
Internal surface	0.14
50mm screed	0.03
150mm concrete slab	0.10
External Surface	0.04
U=3.23 W/m2k	R=0.31
+ SONATHERM	
70mm EPS 20 SE	1.94
20mm Sonaspray	0.62
U=0.35 W/m2k	R=2.87

Optical qualities and colours:

There is a choice of finish for the sprayed-on Sonatherm layer.

- SonaSpray K-13 standard - coarse
- SonaSpray K-13 special - medium
- SonaSpray fc – medium / fine

SonaSpray K-13 special is available as standard in colours:

light grey, beige, off white and black (blues and greens often available as standard)

SonaSpray fc is available in white as standard.

Any colour is possible if the size of the project warrants this option.



ISO 9001 : 2000
Certified by QTS
Quality Registrars, Inc.

SonaSpray is manufactured by
ICC, Houston, Tx
ISO 9001: 2000 certification



Click PDF icon to compare
SonaSpray finish for
acoustic coating