

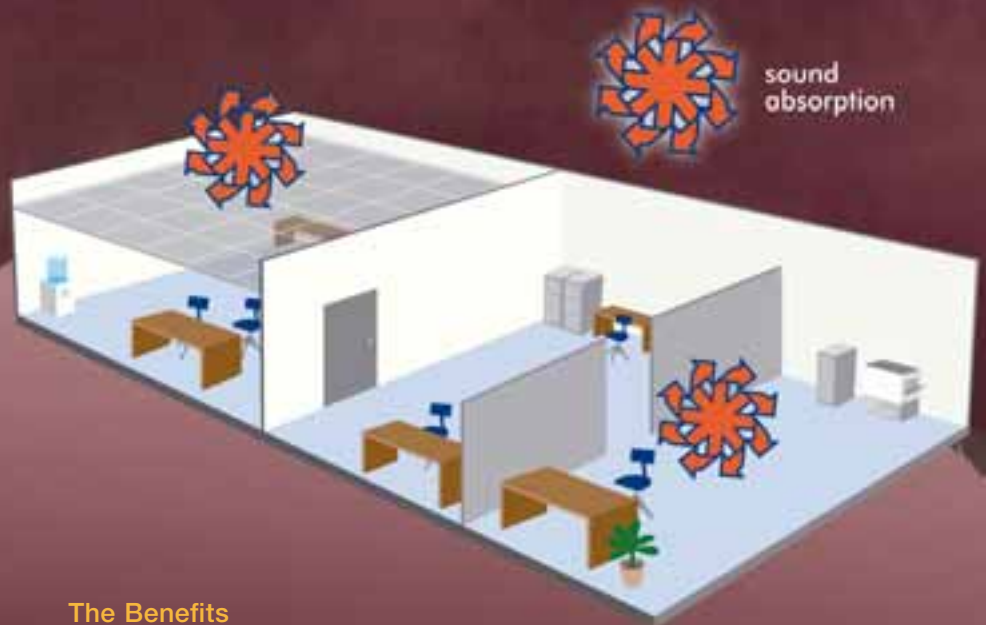
sound reduction systems for commercial, educational and industrial environments



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Sound Absorbent Foam



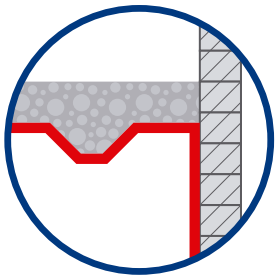
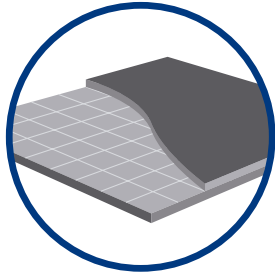
Introduction

Coustifoam is a matt black acoustic foam, designed for installation where acoustic absorption is required. It is ideal as an acoustic lining to soffits or walls, or for laying over the back of open cell suspended ceilings. Its flexibility allows it to be easily formed around penetrations or follow any contour. Coustifoam is available in various thicknesses and surface finishes, and conforms to fire classification BS 476 Class 0.

The Benefits

- High acoustic absorption
- Screens the void
- Easily installed
- Clean and easy to cut
- Pleasant to handle
- Class 'O' fire rated

Ceiling and wall acoustic liner, ideal for open cell suspended ceilings, soffits and walls.



Sound Absorption

BS 3638: 1987

Measurement of sound absorption coefficient in reverberation room.

Tests carried out by
UNIVERSITY OF SALFORD
Department of Applied Acoustics.
Date 27.1.89.

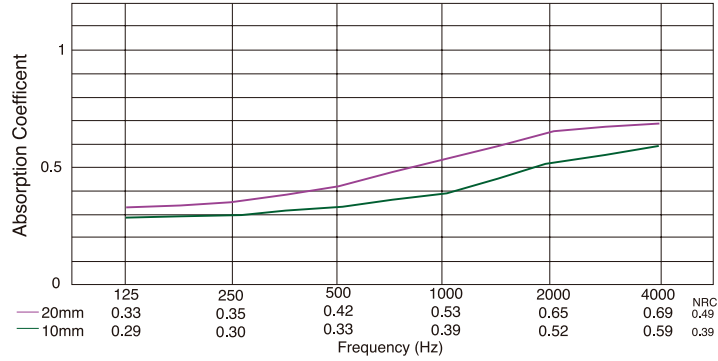
Installation

CEILINGS

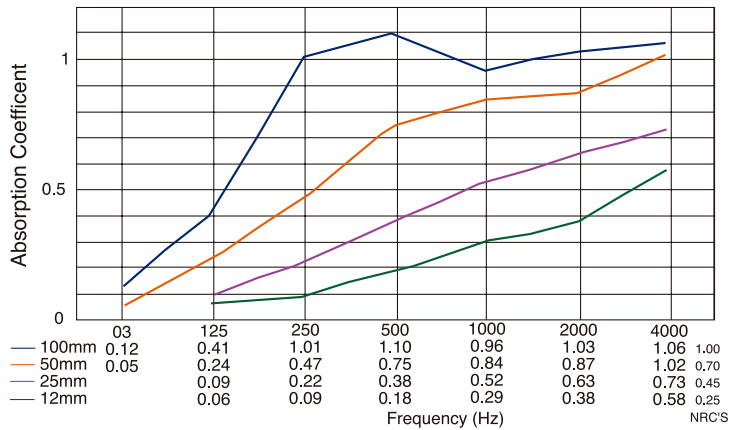
Laid across the back of the ceiling in rolls or placed into the panels in modular pieces. Where rolls are laid loose across the ceiling and there is a possibility of air movement or up draught through the ceiling, it is advisable to secure the Coustifoam by means of wire or clips to the panel or grid.

COUSTIFOAM IN PERFORATED CEILING TRAYS

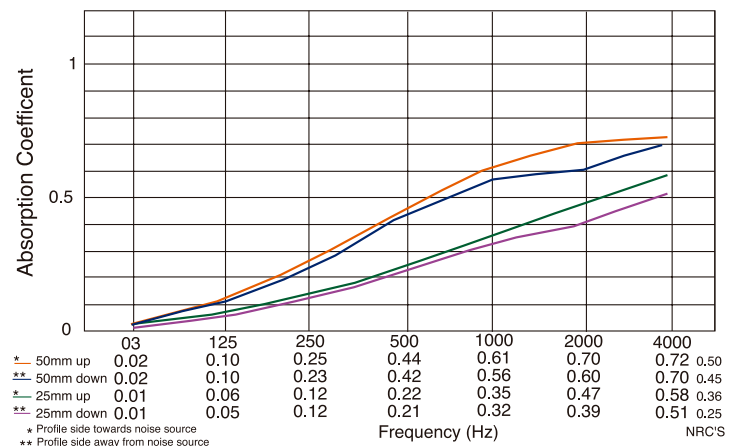
2mm Perforations. Below 550mm air space.



COUSTIFOAM



PROFILED COUSTIFOAM



SOFFITS AND WALLS

Coustifoam should be bonded to the soffit or walls by a general purpose latex or contact adhesive. On soffits dependent on the height and thickness of Coustifoam it is advisable to also use a mechanical fixing.

Other Applications

Coustifoam can be bonded to most surfaces and is clean, easily cut and will form to any shape. Available in different thicknesses for variable sound absorption and with a variety of surface finishes for easy cleaning, it is suitable for both building and engineering applications.

Finishes

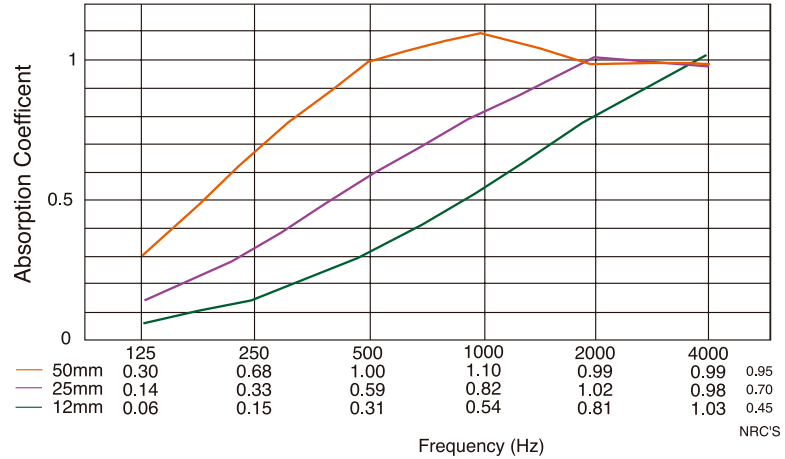
PU: Has a polyurethane film applied to one surface of the Coustifoam. This is ideal where there may be ingress of oil or dirt which can easily be wiped clean.

SV1: Special coating which increases the acoustic absorption performance and has a non-shedding surface. Ideal for cleanroom environments.

AF: Faced with re-enforced aluminium foil. This is ideal where regular contact is made with the surface or where it is required to be kept clean.

SA: Self adhesive on one side for easy fixing to most surfaces.

COUSTIFOAM SV1



Specifications

- SIZE: Rolls:**
- 30m x 600mm x 6mm
 - 20m x 600mm x 10mm
 - 15m x 600mm x 12mm
 - 12m x 600mm x 15mm
 - 10m x 600mm x 20mm
 - 10m x 600mm x 25mm (Available up to 2000mm wide)
- Sheets:**
- 600 x 600mm } x 6, 10, 12mm
 - 1200 x 600mm } 15, 20, 25mm
 - 2000 x 1250mm } 40, 50mm

Density: 85kgm³

Cutting: By sharp trimming knife.

Storage: Must be kept dry and sheets laid flat.

Contains no CFC's or HCFC's (Not suitable for use in swimming pool areas)

FLAMMABILITY PROPERTIES	
FMVSS 302	Self extinguishing/no burn rate
BS 4735	Char length 4-5mm
ASTM 1692: 1974	Resists Ignition
BS 476 Parts 6 & 7 Class 1 & Class 0	0
UL94 Class	94V-0
Oxygen Index	41
CAAB/FAA	PASS
Smoke, max, obscuration % to BS5111	55
Wicking	None
Dripping	None

AIRFLOW RESISTANCE	
MEDIA PRESSURE DROP	AIRFLOW RATE PER M ² (COUSTIFOAM 6mm)
1 Pa	361/s/m ²
10Pa	3011/s/m ²