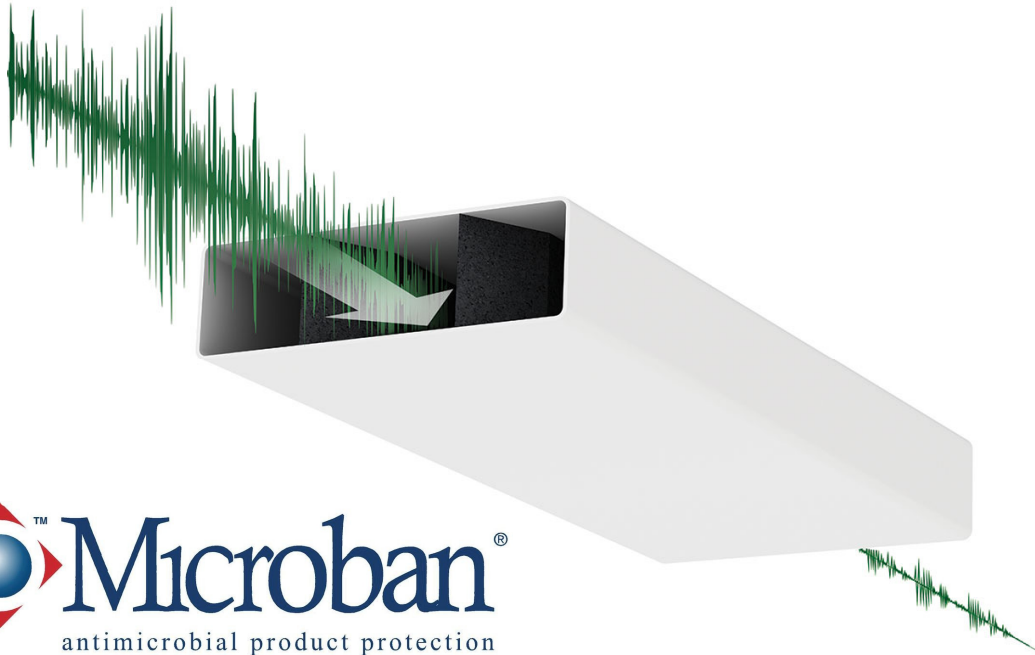


Specification

For

Microban® Protected Rigid Duct Attenuators



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Scope of Works

Rigid Duct Attenuators

204x60mm | Bathroom, toilet, utility room, kitchen and whole house application
220x90mm | Kitchen and whole house application

A rigid duct attenuator (also known as a Silencer) shall be installed in a dwelling to reduce noise generated by a mechanical extract appliance and cross talk travelling between rooms in duct systems.

Approved Document F of the Building Regulations (F1 Means of Ventilation) stipulates that the system should not produce excessive noise that could discourage occupants from using it correctly. A rigid duct attenuator should therefore form part of duct system to ensure occupants do not incorrectly alter the performance of the system and as a consequence, detrimentally impact indoor air quality.

Depending on the floor area and connection size to the mechanical extract unit, either a Domus 204x60mm or Domus 220x90mm profile shall be installed in 0.5m lengths. The rigid duct attenuator shall form part of a full Domus air-tight rigid duct system to ensure the integrity and performance of the full ventilation system.

At a sound level of 1000Hz, where the typical frequency of consonants necessary for speech intelligibility begins, a single rigid duct attenuator shall absorb no less than 19dB for the 204x60mm profile and 15.5dB for the 220x90mm profile.

Close-coupling up to three 0.5m rigid duct attenuators shall reduce sound levels by no less than 55dB for the 204x60mm profile and 50.1dB for the 220x90mm profile.

The rigid duct attenuator shall include Microban® protected high density reconstituted PVC/nitrile foam, with a density of 240kg/m³. The foam shall be flame retardant, compliant to BS476 Part 7 Class 1, UL94-HF1, UL94-V0 (tested by Warrington Bodycote) and FMVSS 302.

The sound attenuation results of the rigid duct attenuator shall have been verified by SRL Technical Services Limited.

Manufacturer

Domus Ventilation

Product Range

Domus | part of the Domus 204x60mm Supertube and Domus 220x90mm systems

Materials

Duct attenuator: PVC plastic ducting

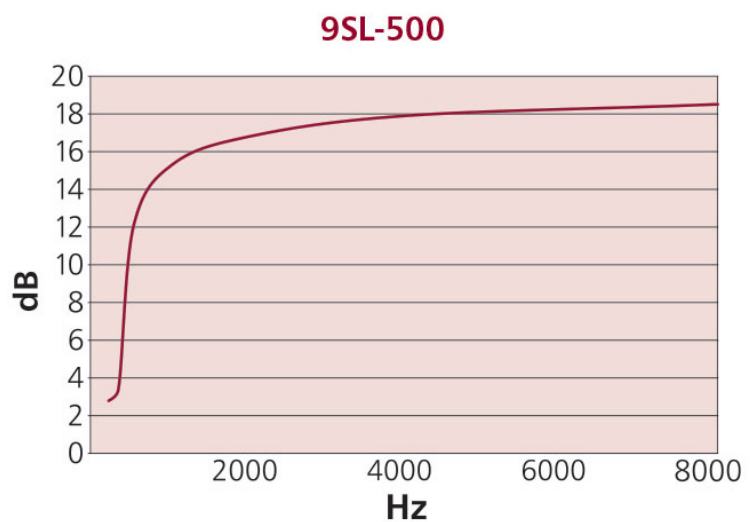
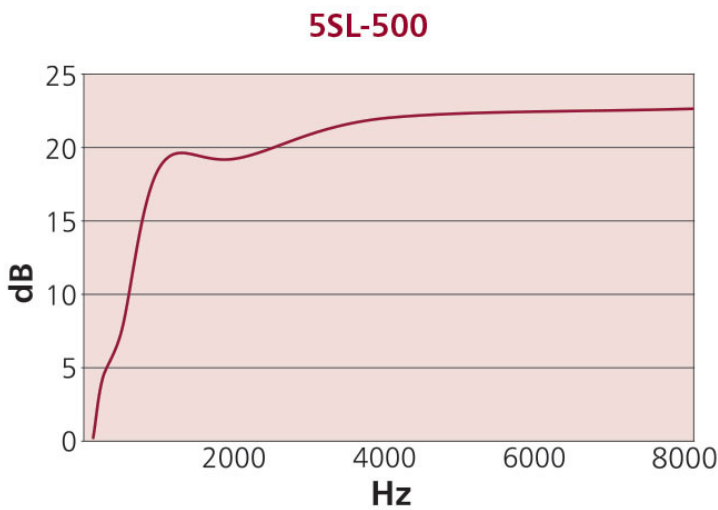
Acoustic Foam Material: High Density Reconstituted PVC/Nitrile Foam with a density of 240kg/m³. Foam contains a unique uniform cell structure, offering excellent sound absorption properties, particularly at low frequency. Flame Retardant, compliant to BS476 Part 7 Class 1, UL94-HF1, UL94-V0 (tested by Warrington Bodycote) and FMVSS 302.

Size

204x60mm and 220x90mm profiles

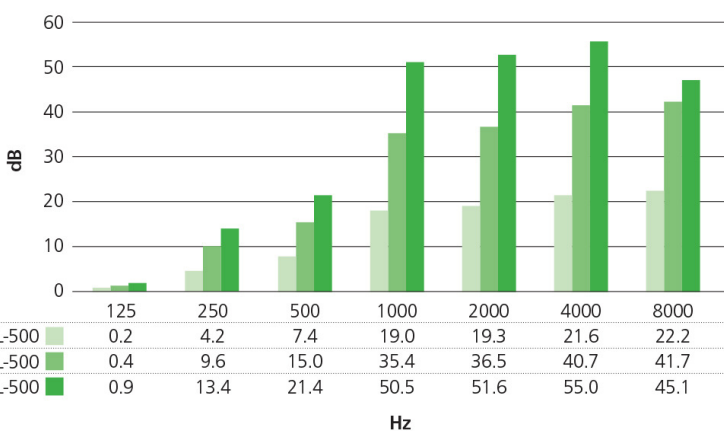
Performance Data

Acoustic Sound Results - Attenuation

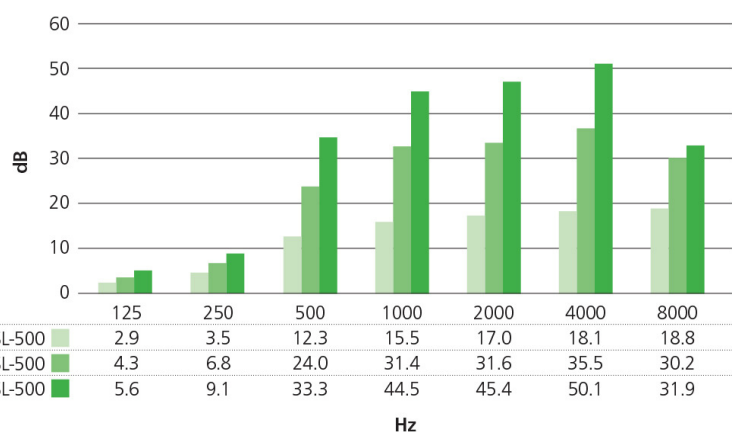


Cumulative Length Acoustic Sound Results

OCTAVE BAND INSERTION LOSS 5SL-500



OCTAVE BAND INSERTION LOSS 9SL-500



Appendix A

Range Details

Domus 204x60mm Microban® Protected Rigid Duct Attenuator
 Domus 220x90mm Microban® Protected Rigid Duct Attenuator

Codes:

Product Code	Description	Box Qty
5SL-500	Microban rigid duct attenuators (Silencers) 204x60mm, 0.5m	1
9SL-500	Microban rigid duct attenuators (Silencers) 220x90mm, 0.5m	1