

Product Introduction

Acoustop Absorber ~ Polyether Acoustic Absorber

The Acoustop Absorber range of products have been designed to be used primarily in partial enclosures and ducting. Acoustop Absorbers maximise noise energy reduction by absorption.

Product Construction

Facing • Surface Coverings

Acoustop Absorber products have a range of surface coverings that maintain acoustic performance while allowing for environmental and cosmetic requirements. The surface facing is laminated using specialised adhesives to give a permanent bond, whilst allowing for improved acoustic results.

- Bonded Foil (BF) is a strong reinforced foil facing, giving improved fire test results to AS1530, Part 3, Early Fire Hazard properties.
- Urethane Film (UF) provides mechanical strength and acts as a limited dust and moisture barrier and is available standard as black on indent.
- Perforated Vinyl (PV) is available standard beige, black or grey. It provides a stylish look without compromising acoustic performance, also giving good mechanical protection. Custom colours subject to minimum quantity.

Acoustic Foam • 12, 24 or 50mm

Acoustop Acoustic Foam absorbs both direct and reflected noise energy, reducing noise levels. Acoustop foam is a hydrolysis resistant fire retardant polyether foam, with natural resistance to humidity. The foam is available in sheets or rolls. Acoustop foam is fibre free and engineered to maximise acoustic performance.

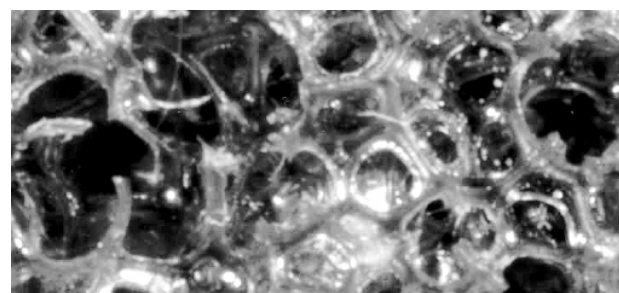
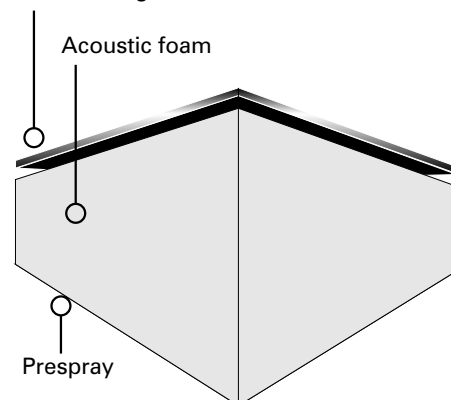
Polyether polyurethane foams, rather than the traditional polyester polyurethane foams, have been used to manufacture Acoustop products. The two types of foam produce a similar acoustic performance, however the polyether foam displays far superior characteristics when considering the length of serviceable life that can be attained.

Product Application

Acoustop Absorbers have a wide range of applications using specialised films to protect the product whilst maximising acoustic performance. The foam's structure also creates very effective thermal insulation.

Designed for duct lining and partial enclosure or cover lining in automotive, marine, industrial and architectural applications. Ideal for engine-rooms and compartments; machine, pump, compressor, generator, lift or plant enclosures; hatches, access covers, general plant rooms and industrial enclosures where reflected noise only is a problem.

Various facings available



As viewed through a microscope. Polyether foams are naturally hydrolysis resistant and display excellent acoustic characteristics.

Product Installation

Acoustop Absorbers supplied in sheet form are pre-coated with Pre-Spray adhesive. Pre-Spray is a special adhesive coating designed to be reactivated by the solvents in wet adhesive, this removes the need to apply adhesive directly to the foam, saving installation labour.

Acoustop Absorbers supplied in rolls are available with a "peel-and-stick" adhesive backing.

A range of finishing tapes and contact adhesives are also available.

Acoustop Absorber's unique flexibility makes installation of the product simple, requiring only a few basic tools to install. An Installation Guide is available from the manufacturer or your local representative.



Range of acoustic foams, impact mattings and surface laminations available with specifications subject to technical assessment from the manufacturer or your local representative

ABSORBERS

Information Page



Product Code

Absorbers are supplied in sheet or roll form. Product codes shown as AA should change to ARA when ordering rolled product. AA products are standard for New Zealand and ARA products are standard for Australia. AA products are available presprayed, rolled products are available only with PSA.

AA12	ACOUSTOP ABSORBER, 12mm acoustic foam, 1300mm x 2300mm sheet or 1400mm x 30m roll, total thickness 12mm
AA24	ACOUSTOP ABSORBER, 24mm acoustic foam, 1300mm x 2300mm sheet or 1400mm x 30m roll, total thickness 24mm
AA50	ACOUSTOP ABSORBER, 50mm acoustic foam, 1300mm x 2300mm sheet or 1400mm x 15m roll, total thickness 50mm
AA12BF	ACOUSTOP ABSORBER, 12mm acoustic foam, Bonded Foil facing, 1300mm x 2300mm sheet or 1400mm x 30m roll, total thickness 12mm
AA24BF	ACOUSTOP ABSORBER, 24mm acoustic foam, Bonded Foil facing, 1300mm x 2300mm sheet or 1400mm x 30m roll, total thickness 24mm
AA50BF	ACOUSTOP ABSORBER, 50mm acoustic foam, Bonded Foil facing, 1300mm x 2300mm sheet or 1400mm x 15m roll, total thickness 50mm
AA12PV	ACOUSTOP ABSORBER, 12mm acoustic foam, Perforated Vinyl facing in black, beige or grey, 1300mm x 2300mm sheet or 1400mm x 30m roll, total thickness 12mm
AA24PV	ACOUSTOP ABSORBER, 24mm acoustic foam, Perforated Vinyl facing in black, beige or grey, 1300mm x 2300mm sheet or 1400mm x 30m roll, total thickness 24mm
AA50PV	ACOUSTOP ABSORBER, 50mm acoustic foam, Perforated Vinyl facing in black, beige or grey, 1300mm x 2300mm sheet or 1400mm x 15m roll, total thickness 50mm
AA12UF	ACOUSTOP ABSORBER, 12mm acoustic foam, black Urethane film facing, 1300mm x 2300mm sheet or 1400mm x 30m roll, total thickness 12mm
AA24UF	ACOUSTOP ABSORBER, 24mm acoustic foam, black Urethane film facing, 1300mm x 2300mm sheet or 1400mm x 30m roll, total thickness 24mm
AA50UF	ACOUSTOP ABSORBER, 50mm acoustic foam, black Urethane film facing, 1300mm x 2300mm sheet or 1400mm x 15m roll, total thickness 50mm

Technical Information

Product Code	N.R.C	AS1530, Part 3	Maximum Operating Temp.
AA 12	0.25	n/a	100°C
AA 24	0.65	n/a	100°C
AA 50	0.80	n/a	100°C
AA 12BF	0.25	0.0.0.0	100°C
AA 24BF	0.50	0.0.0.0	100°C
AA 50BF	0.60	0.0.0.0	100°C
AA 12UF	0.30	n/a	80°C
AA 24UF	0.50	n/a	80°C
AA 50UF	0.60	n/a	80°C
AA 12PV	0.50	n/a	70°C
AA 24PV	0.70	n/a	70°C
AA 50PV	0.90	n/a	70°C

Facing Properties

Facing	Thickness	Tensile Strength	AS1530	Bursting Strength	Water Vapour Transmission Rate
BF • Bonded Foil	120 micron	4.5KN/m max 3.9KN/m min	Pass 4 zero	43N max 34N min	0.33gm/m ² /day
UF • Urethane Film	12 micron	n/a	n/a	n/a	n/a
PV • Perforated Vinyl	1mm Perf.	n/a	n/a	n/a	n/a

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NB: This information is meant as a guide only and should not be read as a guarantee for any specific application. All volumes and measurements are nominal, any flammability test specification is only a numerical rating and does not attest to the materials performance in case of actual fire.