

PRODUCT DATA SHEET FOR THERMACON THERMAWOOL QUIETLINER FACED WITH QUIETLINER WGF BLACK FABRIC

COMPANY

Thermacon Insulation is committed to comfortable, healthier and energy efficient indoor environments. Thermawool is 77% recycled content utilising a green binder/fibre technology to produce low VOC, low irritant, low dust fallout Glasswool insulation providing Hi Thermal Performance, Hi Sound Absorption and Non Combustibility.

Thermawool offers several advantages over traditional Glasswool, being more friendly to handle, easy to install and less irritant.

Thermacon Insulation recognise the advantages of Thermawool and has the production capability of laminating Thermawool to Quietliner WGF Black Fabric for Thermal and Acoustic Insulation.

DESCRIPTION

Thermawool Quietliner consists of Thermawool Insulation factory bonded to a fire rated, tear resistant, high strength WGF Black Fabric.

Thermawool Quietliner faced with Quietliner WGF Black Fabric is available in a range of rolls and widths, various R Values, thicknesses and densities to suit the NCC and Acoustic Absorption requirements.

USES

Thermawool Quietliner faced with Quietliner WGF Black Fabric is designed to be a single install system for acoustic ceilings, metal strip ceilings, perforated metal and plasterboard ceilings and walls. It is designed to provide excellent thermal insulation properties and high sound absorption qualities within buildings.

Designed specifically for commercial applications for thermal and acoustic requirements for schools, gyms, auditoriums, community centres, etc.

PACKAGING

Thermacon Thermawool Quietliner is packaged in poly bags.

SPECIFICATION COMPLIANCE

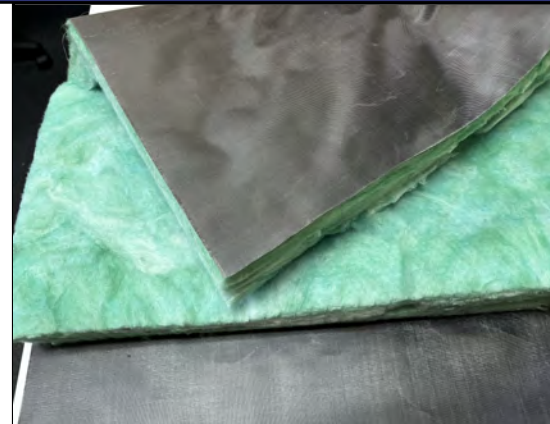
AS/NZS 4859	Thermal Performance
AS1530 Part 3	0, 0, 0, 1 (Thermawool Quietliner & Quietliner WGF Black Fabric)
AS1530 Part 1	Non Combustible (Thermawool Quietliner)
AS1530 Part 2	< 5 (Quietliner Fabric)
Water Vapour	
Absorption	Less than 5% by weight
Corrosion	
Resistance	No greater than sterile cotton
Microbial Growth	Does not support mould, bacteria, fungus or rodents

DESIGN CONSIDERATIONS

Check your local Australian building codes for specific building and insulation requirements.

LIMITATIONS OF USE

Check applicable codes.



PERFORMANCE ADVANTAGES

Utilising Green Binder Technology:

Thermawool Quietliner is ultra low VOC, low dust emission and low irritant compared to traditional glasswool.

Thermal Efficiency: provides various R Values to meet the NCC requirements.

Sound Absorption: Due to the soft green fibre technology, Thermawool Quietliner faced with Quietliner WGF Black Fabric provides Hi Sound Absorption over all frequencies and has outstanding NRC co-efficients.

Fire Resistant & Noncombustible:

Thermawool Quietliner is non combustible according to AS1530 Part 1.

Quietliner WGF Black Fabric has it's own unique fire rating AS1530 Part 2, AS1530 Part 3.

Bio Soluble:Thermawool Quietliner is bio soluble and utilises the technology of Owen Corning USA for bio persistent fibre.

Green & Environmental: Manufactured using a green fibre/binder technology and 77% recycled glass contributes to ultra low VOC.

INTERNATIONAL APPROVALS OR RECOGNITION



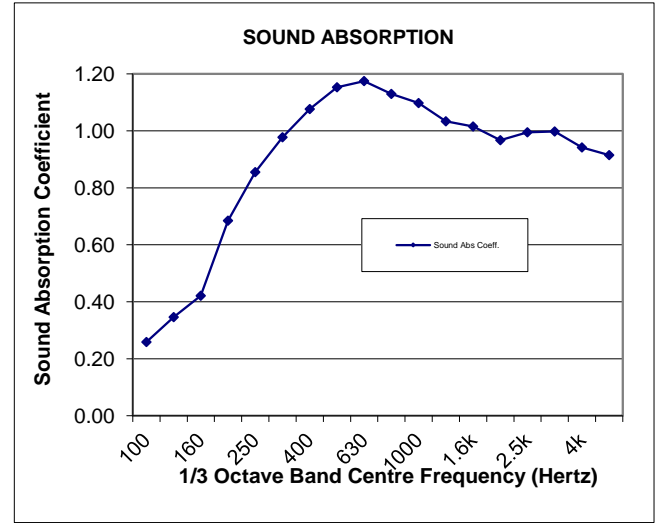
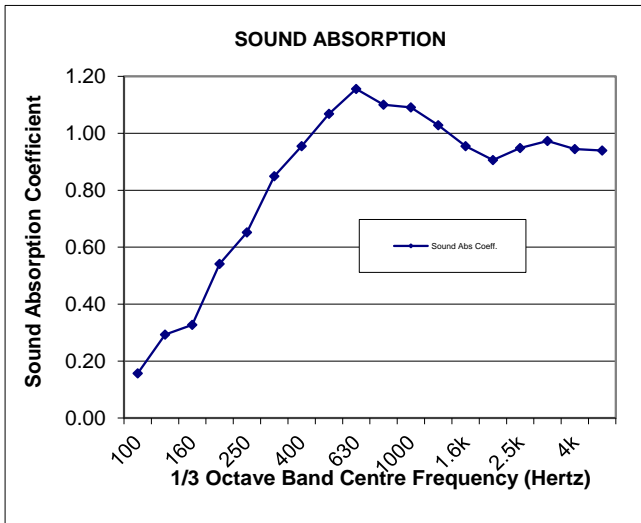
SOUND ABSORPTION COEFFICIENTS

R1.3 55MM THERMAWOOL QUIETLINER FACED WITH QUIETLINER WGF BLACK FABRIC

Weighted Sound Absorption Coefficient: **α_w** 0.95 * *
 Sound Absorption Average: **SAA:** 0.94
 Noise Reduction Coefficient: **NRC:** 0.95

R1.8 75MM THERMAWOOL QUIETLINER FACED WITH QUIETLINER WGF BLACK FABRIC

Weighted Sound Absorption Coefficient: **α_w** 1.00 * * *
 Sound Absorption Average: **SAA:** 1.01
 Noise Reduction Coefficient: **NRC:** 1.00



PRODUCT AVAILABILITIES

RValue R1.3 - R7.0 in rolls / Batt sizes 1.2m x 910mm
 Density 10kg/m³ - 32kg/m³
 * Check for dimensions etc.

- R1.3 55mm
- R1.8 75mm
- R2.0 90mm
- R2.3 100mm
- R2.5 110mm
- R3.0 130mm
- R3.3 140mm
- R3.6 145mm
- R4.0 175mm