

PRODUCT DATA SHEET FOR THERMACON FORMALDEHYDE FREE QUIETLINER FACED WITH QUIETLINER WGF BLACK FABRIC

COMPANY

Thermacon Insulation is committed to providing premium products and creating more comfortable, healthier and energy efficient indoor environments. Knauf Insulation revolutionized the building insulation industry by pioneering the development of Earthwool Batts utilising Ecosse technology. A sustainable, bio based binder that contains no added formaldehyde.

Earthwool offers several advantages: improving indoor air quality, less dusty product compared with traditional Glasswool. Easy to cut and less irritation compared with traditional Glasswool.

Thermacon Insulation recognise the advantages of Earthwool and have the production capability of laminating Quietliner WGF Black Fabric to Earthwool for thermal and acoustic insulation.

DESCRIPTION

Thermacon Formaldehyde Free Quietliner consists of Earthwool Insulation bonded to a fire rated Quietliner WGF Black Fabric.

Thermacon Formaldehyde Free Quietliner is available in a range of rolls and Batts with various R Values, thicknesses and densities to suit the NCC requirements.

USES

Thermacon Formaldehyde Free Quietliner is designed to provide excellent thermal properties and sound absorption qualities that help to increase the internal sound absorption within buildings. Typically used in metal strip type ceilings and walls in schools, auditoriums, classrooms, community centres etc. Can also be used as an overlay on perforated plasterboard ceilings etc.

INSTALLATION

Refer Designer/Specifier

PACKAGING

Thermacon Formaldehyde Free Quietliner is packaged in poly bags.

SPECIFICATION COMPLIANCE

AS/NZS 4859	Thermal Performance
AS1530 Part 3	0, 0, 0, 1 (FF Quietliner & Quietliner Fabric)
AS1530 Part 1	Non Combustible (FF 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 Ecosse Technology:

FF Quietliner contains no added formaldehyde and will not off-gas and less irritant than traditional Glasswool.

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

Sound Absorption: Due to the structure of Formaldehyde Free Quietliner and the Quietliner Fabric provides excellent sound absorption over all frequencies and has high noise reduction coefficients.

Fire Resistant & Noncombustible:

Quietliner Fabric has its own unique fire rating while the Formaldehyde Free Quietliner is non combustible.

Bio Soluble: Formaldehyde Free Quietliner is full bio soluble and has passed the EU Fibre Bio Persistence Test.

Green & Environmental: Manufactured from Ecosse Technology and does not contain any pherols, contributes to very low VOC's and Formaldehyde Free Quietliner is manufactured from 80% recycled glass.

INTERNATIONAL APPROVALS OR RECOGNITION



SOUND ABSORPTION COEFFICIENTS

R1.3 55MM FORMALDEHYDE FREE QUIETLINER FACED
WITH QUIETLINER WGF BLACK FABRIC

Weighted Sound Absorption Coefficient: α_w 0.95 * *

Sound Absorption Average: SAA: 0.94

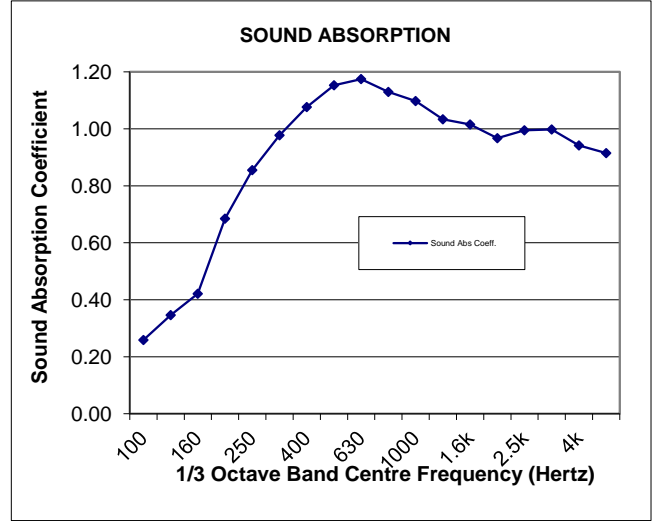
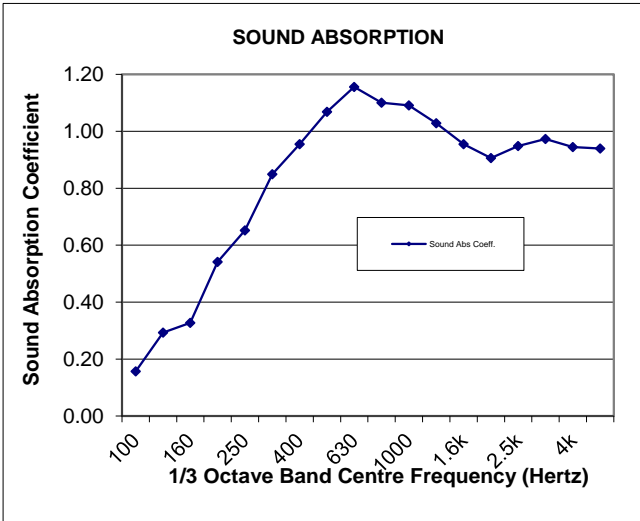
Noise Reduction Coefficient: NRC: 0.95

R1.8 75MM FORMALDEHYDE FREE 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.

Cut to size available pending volumes and time frames. Light duty, medium duty, and heavy duty aluminium facings available.

Properly insulating a structure using Knauf Insulation building insulation helps preserve our environment by reducing energy consumption for heating and cooling, reducing the pollution resulting from fuel burning, reducing the emission of hazardous air pollutants during manufacturing and reducing waste through the utilization of recycled materials.