

ENVIRO AAC PANEL

MATERIAL SAFETY DATA SHEET



MASONS
Designed Smart, Built Tough.

V1.1 July 2025

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Products	Enviro AAC Panel - 50mm and 75mm thicknesses
Description and use	Autoclaved aerated concrete for use in wall, floor, and Intertenancy Wall Systems.
Supplier	Masons NZ Ltd
Address	18a David McCathie Place, Silverdale, Auckland 09322
Phone number	0800 522 533
Address e-mail	info@mpb.co.nz
Emergency contact	National Poison Centre 0800 764 766

SECTION 2: HAZARDS IDENTIFICATION

Risk Phase	Irritating to respiratory system. Danger of serious damage to health by prolonged exposure through inhalation.
Safety Phase	Do not breathe dust.
Emergency Overview	Not explosive, not a fire hazard
Primary Route of Entry Exposure Effects	Inhalation Acute Effects - Dust may cause irritation of the nose, throat, and airways, resulting in coughing and sneezing. Certain susceptible individuals may experience wheezing (spasms of the bronchial airways) on inhaling dust during sanding or sawing operations.
Ingestion	Unlikely under normal conditions of use, but swallowing the dust from this product may result in irritation or damage to the mouth and gastrointestinal tract due to alkalinity of dust.
Eyes	Dust may irritate the eyes from mechanical abrasion causing watering and redness.

SECTION 3: COMPOSITION

Components	Proportion	CAS No.
Calcium silicate hydrate (Tobermorite)	Approx 70%	1344 95 2
Crystalline silica (Quartz)	Approx 23%	14808 60 7
Calcium sulfate (Gypsum)	Approx 5%	7778 18 9
Additives	<2%	<0.18



SECTION 4: FIRST AID MEASURES

The signs and symptoms of over-exposure are: breathlessness, wheezing, cough, sputum production. First Aid is as follows:

Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
Inhalation	Remove to fresh air. If shortness of breath or wheezing develops, seek medical attention.
Ingestion	If swallowed, drink large amounts of water. Do not induce vomiting. Call a physician.
Note to Physician	Treat symptomatically. Treatment may vary with condition of victim and specifics of incident.

SECTION 5: FIRE FIGHTING MEASURES

Fire and Explosion Hazards	1. Flash point: N/A. Non combustible material. 2. Auto ignition: N/A. Non combustible material. 3. Non flammable and non explosive
Extinguishing Media	This material is not combustible. Appropriate extinguishing media (carbon dioxide, foam, water or dry chemical) for surrounding fire should be used.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Clean-Up Procedures	Sweep up and discard.
Person Related Safety Precautions	Not required.
Measure for environmental protection	No special measures required.
Measure for cleaning/collecting	No special measures required.
Additional information	No dangerous materials are released.

SECTION 7: HANDLING AND STORAGE

Handling Procedures	Caution with edge of sheet. After using this sheet, wash hands
Storage Procedures	Keep away from reactive products. Do not store near food, beverages or smoking materials. Avoid spilling and creating dust. Maintain appropriate dust controls during handling.



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Monitoring Methods	No information found.
Engineering Controls	Good general ventilation should be sufficient for most conditions . When processing at elevated temperature, provide local exhaust.
Exposure Limits	Not available.
Respiratory Protection	Always cut panels in a well ventilated area . Wear a dust mask to prevent breathing the dust.
Eye Protection	Wear safety glasses with side shields.
Skin Protection	Wear clean body clothing and rubber gloves.
Other Protection	No smoking at work site. Use ear plugs or ear muffs when necessary. To maintain good healthy habits.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Flat, White.	Odour:	Odourless
Physical State:	Solid	pH: 9~10	Not Applicable
Vapor Pressure:	Not Applicable	Water Distribution Coefficient:	Not Applicable
Boiling Point:	Not Applicable	Melting Point/Range:	Not Applicable
Consistency (H ₂ O):	Not Applicable	Flash Point:	Not Applicable
Vapor Density:	Not Applicable	Ignition Temperature:	Not Applicable
Explosion Limits:	Not Applicable	Critical Temperature:	Not Applicable
Critical Pressure:	Not Applicable	Solubility:	Not Applicable

SECTION 10: CHEMICAL STABILITY AND REACTIVITY INFORMATION

Chemical Stability	Stable and non reactive.
Conditions to Avoid	Excessive dust generation during storage and handling.
Incompatibility	Specific materials condition to avoid.
Hazardous Decomposition Products	Not occur.
Hazardous Polymerization	Not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Sensitization Rate	Not available.
Teratogenicity	No information found.



SECTION 12: ECOLOGICAL INFORMATION

The information given is based on data for the material, components of the material, or for similar materials, through the application of bridging principals.

Toxicity	No data available for this product
Ecological Degradation	No data available for this product
Abiology Degradation	No data available for this product
Other Harmful Information	No data available for this product

SECTION 13: DISPOSAL CONSIDERATION

Disposal Recommendation	Recycle, if possible.
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Consult your local or regional authorities for disposal options. Dispose of materials in compliance with governmental regulations.

SECTION 14: TRANSPORTATION INFORMATION

Not a hazardous material for DOT shipping.

Disposal Recommendation	Recycle, if possible.
UN	None.
Packaging Sign	None.
Packaging Category	No information found.
Shipping Notice	This product is not regulated for transport.

SECTION 15: REGULATORY INFORMATION

For compliance with applicable regulations refer to Masons NZ Ltd assurance statements and technical documentation.

SECTION 16: OTHER INFORMATION

This information and the product are provided on the condition that the person receiving them shall make his or her own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use thereof.

APPROVED BY:

Arthur Whitfield, NZ Sales & Technical Manager, Auckland July 2025