

LOXO AUTOCLAVED LIGHTWEIGHT AERATED CONCRETE PANEL (AAC)**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

Product Name	Loxo Autoclaved Lightweight Aerated Concrete Panel (AAC)
Product Code	-
Other Names	Loxo Panel
Product Use	The Loxo Cladding System is designed to be used in new dwelling construction, extensions or re-cladding for houses & low rise multi-residential external walls using timber or steel frame. The system consists of Loxo Aerated Autoclave Concrete Panels (AAC), reinforced with corrosion protected steel in both directions, installed horizontally in a "stretcher-bond" pattern to vertical battens attached to the load bearing frame. For fast, clean construction, Loxo AAC Panels are available in standard length of 2200mm long and in width of 600mm.
Supplier Name	Loxo Cladding Systems Pty Ltd
Address	1331 Stud Road Rowville VIC 3178
Telephone Number	03 9795 0005
Emergency Telephone	03 9795 0005

2. HAZARDS IDENTIFICATION**HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS.**

Classified as hazardous according to the criteria of Safe Work Australia.

Hazards	Xn – Harmful
Risk Phrases	R37 - Irritating to respiratory system. R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Safety Phrases	S22 - Do not breathe dust. S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient (common name)	CAS Number	Proportion
Calcium silicate hydrate (tobermorite)	1344-95-2	70%
Crystalline silica (quartz)	14808-60-7	23%
Calcium sulfate (gypsum)	7778-18-9	5%
Organic additives deemed not to be hazardous	Proprietary	<2%

4. FIRST AID MEASURES

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.
Ingestion	Never give anything by mouth to an unconscious person. Rinse the mouth and give victim plenty of water to drink. DO NOT induce vomiting. Seek medical attention if symptoms persist.
Skin	Remove contaminated clothing and wash affected areas with soap and water. Seek medical attention if symptoms persist. Launder clothing before reuse.
Eyes	In case of eye contact, check for and remove any contact lenses. Immediately irrigate eyes with plenty of running water for at least 15 minutes, keeping eyelids open. Seek medical attention if symptoms persist.

5. FIRE FIGHTING MEASURES

	For major fires call the Fire Brigade. Ensure that an escape path is available from any fire.
Suitable Extinguishing Media	Carbon dioxide, foam, water or dry chemical.
Hazardous Combustion Products	No information available.
Firefighting Equipment	Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.
Unusual Fire or Explosion Hazards	This product is non-flammable. Does not support combustion of other materials.
Hazchem Code	Not allocated.

6. ACCIDENTAL RELEASE MEASURES

Spills	Wear appropriate personal protective equipment. Ventilate area of leak or spill. Avoid generating dusty conditions. A fine water spray should be used to suppress dust when sweeping. Vacuum or sweep up material and place into suitable containers for disposal or salvage.
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7. HANDLING AND STORAGE

Handling	Use of safe work practices are recommended to avoid eye or skin contact, inhalation or ingestion. Observe good personal hygiene. Use in a well-ventilated area. Avoid creating dust. Maintain appropriate dust controls during handling. Loxo Panels are 50mm or 75mm thick, manufactured from Autoclaved Aerated Concrete (AAC) with an approximate density of 560kg/m ³ , they are flat packed and strap bound on timber pallets, supplied in lengths of 2200mm long by 600mm wide.
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Storage

Single man manual lifting of this product is not recommended as the dry mass of a Loxo panel is 28kg -32kg/m² and without due care and attention may result in personal injury. Any manual lifting should be undertaken as a team lift. It is recommended that prior to manual lifting a manual risk assessment should be undertaken. Keep away from incompatible materials. Do not store near food or beverages.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards (Safe Work Australia)

Total dust (of any type, or particle size):

TWA: - ppm / 10 mg/m³

STEL: - ppm / - mg/m³

Respirable dust (of any type, or particle size):

TWA: - ppm / 10 mg/m³

STEL: - ppm / - mg/m³

Crystalline silica (quartz) as respirable dust:

TWA: - ppm / 0.1 mg/m³

STEL: - ppm / - mg/m³

Engineering Controls

Good general ventilation should be sufficient for most conditions. Local exhaust ventilation is recommended when processing at elevated temperatures.

Respiratory Protection

Use a Safe Work Australia approved full face class P1 or P2 particulate respirator if high airborne concentrations of the material are present. See Australian Standards AS/NZS 1715 and 1716 for more information.

Eye Protection

Safety spectacles with side shields or safety goggles (dust resistant AS/NZ 1336).

Skin Protection

Use impervious elbow length gloves (AS 2161), such as PVC, impervious boots and full-length clothing to protect the skin from contact with the dust, particularly wetted dust or wet adhesive.

Hygienic Practices

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White flat panels
Odour	Odourless
Solubility in water	Insoluble
pH	9-10
Boiling Point	Not applicable
Melting Point	No information available
Vapour Density	Not applicable
Vapour Pressure (kPa)	Not applicable
Specific Gravity	No information available

Flash Point Not applicable
Flammable Limit – Lower Not applicable
Flammable Limit – Upper Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions.
Incompatible Materials No information available.
Hazardous Decomposition Products No information available.
Hazardous Polymerization Conditions to Avoid Will not occur.
Moisture.

11. TOXICOLOGICAL INFORMATION

Toxicity **Calcium silicate hydrate (tobermorite):**
Skin, eye and respiratory irritant.
Calcium sulfate (gypsum):
May act as an irritant.

Routes of Exposure Inhalation, ingestion, eye and skin

Acute Health Effects
Inhalation: 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. May cause burning sensation and abdominal discomfort.
Eye: Dust may irritate the eyes due to mechanical abrasion causing watering and redness.
Skin: No health effects anticipated.

Chronic Health Effects Inhalation of dust containing crystalline silica through prolonged, repeated exposure can cause bronchitis and silicosis (scarring of the lung.) It may also increase the risk of scleroderma (a disease affecting the connective tissue of the skin, joints, blood vessels and internal organs) and lung cancer.

Existing Conditions Aggravated by Exposure Studies have shown that smoking increases the risk of bronchitis, silicosis (scarring of the lung) and lung cancer.
Carcinogenicity Silica dust, crystalline, in the form of quartz or cristobalit is classified as a Group 1 – Carcinogenic to humans by the IARC.

12. ECOLOGICAL INFORMATION

Ecotoxicity No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods and containers Dispose according to applicable local and state government regulations.
Special precautions for landfill or incineration Please consult your state Land Waste Management Authority for more information

14. TRANSPORT INFORMATION

Not classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail.

UN Number Not applicable
Proper Shipping Name Not applicable
Dangerous Goods Class Not applicable
Hazchem Code Not applicable
Packing Group Not applicable
Special Precautions Not applicable

15. REGULATORY INFORMATION

Calcium silicate hydrate (tobermorite), crystalline silica (quartz) and calcium sulfate (gypsum) are listed in the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Last Revision of MSDS Rev 1.0 (07/11/2011)
Prepared by MSDS.COM.AU Pty Ltd www.msds.com.au
Abbreviations Used IARC: International Agency for Research on Cancer
NTP: National Toxicology Program (U.S.)
OSHA: Occupational Safety and Health Administration (U.S.)
STEL: Short term exposure limit
TWA: Time weighted average

Emergency Contacts

Loxo Cladding Systems Pty Ltd 03 9795 0005
Loxo Cladding Systems Pty Ltd – Emergency Number 03 9795 0005
Police and Fire Brigade 000
Poisons Information Centre Poisons Information Centre 13 11 26

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Please read instructions / label before using product.

This MSDS is prepared in accord with the ASCC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]