



ACN: 140 559 397

## MATERIAL SAFETY DATA SHEET

### SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

<b>Product Identifier:</b> Supaboard			
<b>Other Name:</b> Magnesium Oxide Board			
<b>Chemical Name:</b> Not Applicable			
<b>Chemical Formula:</b> Not Applicable			
<b>Product Use:</b> A high quality light weight construction board that is suitable for both internal and external application at domestic and/or commercial building construction projects.			
<b>Product Description:</b> Supaboard is finished with a smooth feature surface and a fibre texture underside both of which can receive a wide variety of surface treatments for decorative and/or direct applications. It possesses high mechanical strength, is highly resistant to abrasion, and displays insect, water and fire resistant properties. Supaboard is tough, versatile, non-combustible material made primarily from magnesium oxide using perlite and sawdust as fillers and 3 layers of alkaline resistant fiberglass mesh for strength and durability.			
<b>Distributor's Name:</b> BuilditEco Pty Ltd		<b>Contact Persons:</b> Matt De Pledge / Steven Foster	
<b>Street Address:</b> Unit 8/49, Prindiville Dr, Wangara		<b>Email:</b> <a href="mailto:matt@builditeco.com.au">matt@builditeco.com.au</a> <a href="mailto:steve@builditeco.com.au">steve@builditeco.com.au</a>	
<b>City:</b> Perth	<b>State:</b> WA		
<b>Postal Code:</b> 6065	<b>Telephone:</b> 1300 088 165	<b>FAX:</b> 08 9409 4522	<b>Emergency Telephone:</b> 1300 088 165

### SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Supaboard is tough, versatile, non-combustible material made using approximately 48% magnesium oxide, 24% perlite, and 28% sawdust as fillers. The product also contains 3 layers of alkaline resistant fiberglass mesh for strength and durability.

Chemical composition of Supaboard is as follows on the Analysis Report over the page;

**SGS**

**LAB REF:** WM126757  
**Received:** 17/09/10  
**Reported:** 5/10/10

**SGS Australia Pty Ltd**  
 ABN 44 000 964 278  
 10 Reid Road  
 Newburn  
 Western Australia, 6105  
 t +61 (0)8 9373 3500  
 f +61 (0)8 9373 3556



## ANALYSIS REPORT

**Client** : SUPAWALL Pty Ltd  
**Address** : Unit 4 / 14 Donovan St  
 : Osborne Park WA 6017  
**Attention** : Steve Foster

**Chemical Analysis:** 1. Al, Si, B, Ti, Fe, Mn, Ca, K, Mg, P, S, Na, Cl, Ni, Co, Cu, Zn, Cr, V, Ba, ZrO<sub>2</sub>, SrO  
 determined by X-Ray Fluorescence  
 2. LOI determined by Thermographic Analyser @ 1,000°C

Test Results:

	Sample 1	Sample 2	Detection Limit	Units
Al	0.21	0.22	0.01	%
Si	2.59	2.55	0.01	%
Ti	< 0.01	< 0.01	0.01	%
Fe	0.15	0.17	0.01	%
Mn	< 0.01	< 0.01	0.01	%
Ca	0.72	0.72	0.01	%
K	0.11	0.11	0.01	%
Mg	28.7	28.8	0.01	%
P	0.034	0.033	0.005	%
S	0.116	0.112	0.005	%
Na	0.34	0.32	0.01	%
Cl	6.53	6.24	0.005	%
Ni	< 0.01	< 0.01	0.01	%
Co	< 0.01	< 0.01	0.01	%
Cu	< 0.01	< 0.01	0.01	%
Zn	< 0.01	< 0.01	0.01	%
Cr	< 0.01	< 0.01	0.01	%
V	< 0.01	< 0.01	0.01	%
Ba	< 0.01	< 0.01	0.01	%
ZrO <sub>2</sub>	< 0.01	< 0.01	0.01	%
SrO	< 0.01	< 0.01	0.01	%
LOI	44.4	44.5	0.01	%

Authorised by

Graeme Farrant  
 Laboratory Manager

Page 1 of 1

*The results in this analytical report pertain to the samples provided to this laboratory for preparation and/or analysis as requested by the client. This document is issued by the company subject to its General Conditions of services ([www.sgs.com/generalconditions](http://www.sgs.com/generalconditions)).*

*Attention is drawn to the limitations of liability, indemnification and justifications issues established therein.*

**SECTION 3 — HAZARDS IDENTIFICATION – Environment and Health (acute or long term)**

Potential Health Effects:	Not Applicable
Potential Environment Effect	Not Applicable
Leak and Spill Procedures	Not Applicable

**SECTION 4 — FIRST AID MEASURES**

Skin Contact	Wash and Rinse with soap and clean water
Eye Contact	Wash and rinse with clean water/eye wash
Inhalation	Not Applicable
Ingestion	Not Applicable

**SECTION 5 — FIRE FIGHTING MEASURES**

Flammable	Not Flammable
Hazardous Combustion Products	Not Applicable; Does not support combustion

**SECTION 6 — ACCIDENTAL/ENVIRONMENTAL RELEASE MEASURES**

Leak and Spill Procedures	None identified, Environment no adverse effect, will not leak. Material remains solid.
---------------------------	----------------------------------------------------------------------------------------

**SECTION 7 — HANDLING AND STORAGE**

Handling Procedures and Equipment	<ul style="list-style-type: none"> <li>• White clean cotton gloves should be used to prevent soiling of the finished surface during handling.</li> <li>• Individual Supaboard to be handled carefully to avoid damage to the edges and corners.</li> <li>• Individual Supaboard to be lifted from stack by sliding sideways and lifting by the longitudinal edges by two or more persons to provide even support and to prevent excessive flexing of the board.</li> </ul>
Storage Requirements	<ul style="list-style-type: none"> <li>• Supaboard is weather resistant and can be stored in direct sunlight</li> <li>• Store Supaboard at room temperature with adequate air ventilation.</li> <li>• Stack Supaboard in a dry environment on a pallet above even ground level.</li> <li>• Cover Supaboard to protect from dirt/dust with loose fitting plastic sheeting to maximize air circulation and restrict development of water condensation.</li> <li>• Loose storage is not recommended.</li> </ul>

## SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Controls	Not Applicable
Personal Protective Equipment	<ul style="list-style-type: none"> <li>• During Handling - Safety boots; safety glasses; and clean cotton gloves</li> <li>• During cutting/grinding – in addition to the above, respiratory and hearing protective equipment are required</li> </ul>

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Form :	Solid
Color:	White
Odor:	Odorless
Melting Point:	~1350 Degrees Celsius
Boiling Point:	Not Applicable
Flash Point:	Not Applicable
Flammability (Solid)	Not Available
Flammability (Gas)	Not Available
Ignition Temperature:	Not Applicable
Self-Ignition:	Not Applicable
Danger of Explosion	Not Applicable
Explosion Limits:	None
PH Value	9.7
Dry- shrinkage Value	0.6%
Apparent Density:	18mm Flooring 1.2 ton/m <sup>3</sup> – 10mm up to 16mm 0.99 ton/m <sup>3</sup>
Solubility:	Will not Dissolve in water
Compressive Strength	~20Mpa (3000 psi)
Impact Resistance:	>8.4 kJ/m <sup>2</sup>
Tensile Strength:	>5.5MPa
Content of Chloride ion	~6.5%
Moisture Content:	~6.7%
Bending Flexural strength	~21.5 MPa
Surface Alkalinity:	~9.7 Ph
Thermal expansion:	~0.08%
Expansion in water:	Less than< 0.03%
Frost resistance:	No water drops form on surface
Combustibility / Fire Ratings:	Non-Combustible / AS/NZS 1530.3; AS/NZS 3837 AS/NZS 1530.1
Asbestos Analysis:	No Asbestos
Sound Attenuation ( 9mm)	Tested design 29Db
Thermal Conductivity	0.179 W/m-k

<b>Additional Information</b>
<ul style="list-style-type: none"><li>No organic solvents</li><li>No Formaldehyde release</li></ul>
Freeze/thaw No delamination or deterioration after 25 cycles
Mold and fungus resistance
Dimensionally Stable
Termite resistant
Non Toxic No carcinogenic materials

## SECTION 10 — STABILITY AND REACTIVITY

Not Applicable

## SECTION 11 — TOXICOLOGICAL INFORMATION

Not Applicable

## SECTION 12 — ECOLOGICAL INFORMATION

Not Applicable

## SECTION 13 — DISPOSAL CONSIDERATIONS

No special consideration required – product can be disposed in landfill as general rubbish.

## SECTION 14 – SAFE TRANSPORT INFORMATION

No special consideration required.

## SECTION 15 — REGULATORY INFORMATION

Not Applicable

## SECTION 16 — OTHER INFORMATION

Nil