

ULTRAGLAZE acrylic surface

polytec encourages and expects you to read and understand the entire MSDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your used conditions would necessitate other appropriate methods or actions.

IMPORTANT NOTICE: Borg Manufacturing issues this Safety Data Sheet (SDS), in accordance with Safe Work Australia guidelines. As such the information contained herein must not be altered, deleted or added to. Borg Manufacturing will issue a new SDS when there is a change in product specifications and/or Safe Work Australia guidelines/restrictions. Borg Manufacturing will not accept any responsibility for any changes made to its SDS in content by any other person or organisation.

Product Name:	polytec ULTRAGLAZE acrylic surface
UN Number:	None Allocated
Dangerous Goods Class:	None Allocated
Hazchem Code:	None Allocated
Poisons Schedule Number:	None Allocated
Use:	General interior vertical applications; kitchen and cabinet doors, shop fitting, wardrobe doors, vanity and wall units.

PHYSICAL DESCRIPTION/PROPERTIES:

Appearance: **polytec ULTRAGLAZE** panels are manufactured to an 18mm thick double sided and single sided finished product using moisture resistant MDF E-Zero board. Boards are made from plantation wood fibres, which are bonded together with resin (glue). The product is surfaced either one or two sides with a decorative acrylic. Edges may be finished with 1mm edge tape.

Odour: Newly manufactured and freshly cut surfaces may have a slight characteristic odour.

Boiling Point: (°C)	Not Applicable
Melting Point: (°C)	Not Applicable
Vapour Pressure:	Not Applicable
Flashpoint:	Not Applicable
Flammability Limits:	Not Applicable
Solubility in water:	Negligible
Autoignition Temperature, °C:	Does not auto ignite in its intact state

Density:	1.11 g/cm ³
Tensile Modulus:	1.1 GPa
Tensile Strength:	50.57 MPa
Burning Rate:	126.7mm/min
Thermal: Heat of Deflection Temperature	57.2°C
Vicat Softening Temperature	96.1°C
Chemical Characteristics:	Preparation of acrylnitrile-butadien-styrene-co-polymer and polymethyl methacrylate, polyacrylate, lubrication medium colourants.
Composition:	ABS: Acrylnitrile-butadien-styrene-co-polymer, CAS Nr. 26657-42-1, CAS Nr. 9003-56-9 PMMA: Methyl methacrylate and ethyl acrylate co-polymer and acrylic-styrene-rubber, CAS Nr. 9010-88-2 Polymer coating: high cross-linked polyacrylate, solid films or sheets as semi-finished product.

HEALTH HAZARD INFORMATION:

ULTRAGLAZE is not expected to be an inhalation hazard under normal processing conditions. If material is processed under prolonged exposure to flame or high temperature, thermal burns to the skin may occur, and gasses may be produced that are irritating to the respiratory system.

Thermal Decomposition:

At Thermal Decomposition small amounts of Styrene, Ethylbenzene and Acrylonitrile may be emitted. Exposure of high concentrations of these vapours and fumes could cause nausea, drowsiness and headache. Decomposition products depend upon the temperature, air supply and the presence of other materials. Processing may release fumes and other decomposition products. At temperatures exceeding melt temperatures, polymer fragments can be released. Fumes can be irritating.

Secondary Use / Reprocessing:

When reprocessing material for secondary use, ground all handling equipment. Keep material and dust produced away from high heat and flame. Use good housekeeping practices when reprocessing material.

Exposures to dust produced from machining the products, and gas and vapour from heat processing with inadequate ventilation may result in the following health effects:

HEALTH EFFECTS:

Acute:

Swallowed:	Unlikely to occur but swallowing dust may result in abdominal discomfort.
Eye:	The dust, gas and vapour may be irritating to the eyes causing discomfort and redness.
Skin:	The dust, gas and vapour may irritate the skin, resulting in itching and occasionally a red rash.

- Inhaled: The dust, gas and vapour may irritate the nose, throat and lungs, especially in people with upper respiratory tract or chest complaints such as asthma.
- Chronic: Repeated exposure over many years controlled dust may increase the risk of nasal cavity cancer. Inhalation of dust may also increase the risk of lung fibrosis (scarring). There are also increased risks of respiratory and skin sensitisation from dust and fumes resulting in asthma and dermatitis. But if the work practices noted in this SDS are followed and exposures to airborne dust are kept to a minimum, no chronic health effects are anticipated.

FIRST AID MEASURES:

- Swallowed: Give water to drink, if abdominal discomfort occurs seek medical attention.
- Eye: Flush with flowing water for at least 15 minutes, and if symptoms persist seek medical attention.
- Skin: Wash with mild soap and running water. Remove clothing contaminated with dust.
- Inhaled: Leave the dusty area.

- Advice to Doctor: Treat Symptomatically

PRECAUTIONS FOR USE:

- Ventilation Controls: All work with these panels should be carried out in such a way as to minimise the generation of, and exposure to dust. Under factory conditions, sawing, drilling, sanding etc. should be done with equipment fitted with exhaust devices capable of removing wood dust, at source. Hand power tools should be fitted with dust bags and used in well ventilated areas. Work areas should be well ventilated. They should be cleaned at least daily, and dust removed by vacuum cleaning or wet sweeping method. It is recommended that all work and storage areas are smoke free and other airborne contaminants be kept to a minimum

PERSONAL PROTECTION:

- Skin Protection: Wear loose, comfortable clothing. Long sleeved shirts and trousers are recommended to prevent skin irritation. After handling boards, wash with a mild soap and water. Do not scratch or rub skin if it becomes irritated. Wash work clothes regularly and separately from other clothes. Comfortable lightweight leather or equivalent work gloves (AS 2161) should be worn.
- Eye Protection: Dust resistant safety glasses or non-fogging goggles (AS/NZS 1336/1337) should be worn when machining.
- Respiratory Protection: A class P1 or P2 replaceable filter or disposable half face-piece particulates respirator should be worn when machining. Respirators should comply with AS/NZS 1716 and be selected, used and maintained in accordance with AS/NZS 1715.
- Flammability: These boards are flammable but difficult to ignite. Fine airborne dust can ignite so avoid a build-up of dust and keep all storage and work areas well ventilated. Avoid sources of radiant heat and flame; and avoid sparks and sources of ignition in all electrical equipment, including dust extraction equipment. People must not smoke in storage or work areas.

SAFE HANDLING INFORMATION:

- Storage and transport:** The panels should be stored in well-ventilated areas away from sources of heat, flame or sparks. No special transport requirements are considered necessary. Off-cuts and general waste material should be placed in containers and disposed of at approved landfill sites, or burnt in an approved furnace or incinerator, in accordance with disposal authority guidelines. **DO NOT BURN** in barbeques, combustion stoves or any open fires in home as irritating gases are emitted. Dust from the boards should be cleaned by vacuuming or wet sweeping.
- Fire & explosion hazard:** Burning or smouldering boards or dust can generate carbon dioxide and other pyrolysis products typical of burning organic material which are irritating to the respiratory tract. Dry dusts in high concentrations can be explosive. Use water, CO₂, foam or dry chemical fire extinguishers and avoid breathing smoke from burning or smouldering material.
- Smoking and other dust:** Inhalation of airborne particles from other sources in the work environment, including those from cigarette smoke, may increase the risk of contracting the lung disease associated with exposure to dust from this product. Borg Manufacturing thus recommends that all work and storage areas be well ventilated, smoke free zones and other airborne contaminants be kept to a minimum.

CONTACT:

For further information on this product contact:

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