LASER MATERIAL
BRIGHT WHITE ACRYLIC
TECHNICAL DATA SHEET

PRECISION LABELLING
POWERED BY RECOGNITION ID
IDENTIFY • MARK • COMPLY

Material *Single-ply impact modified acrylic*

Colour	Bright white
Finish	Matte, non-glare
Thickness	1.6mm
Regulations	RoHS
Min. Single Label Size	25mm x 8mm
Max. Single Label Size	600mm x 300mm

Durability *Material only*

External Weathering	Suitable for indoor & outdoor installation UV stable
Fire Rating	UL 94 HB
Chemical Resistance (material only)	***(Refer to Chemical Breakdown on page 2 for relevant chemical resistance)***

Installation *Adhesive, non-adhesive & mounting hole options available*

Installation Types	Pressure-sensitive high strength modified acrylic Mounting holes
Maintenance Temperature	-40°C to +120°C
Short-Term Temperature Resistance	+160°C
Chemical Resistance	Mild acids, diluted alkali, common cleaning agents (avoid strong chemicals eg: paint thinners or fuels) Suitable for many LSE (Low-Surface Energy) & HSE (High-Surface Energy) surfaces
Install Instructions (Adhesive)	Apply to a clean, dry surface, with even pressure

Applications

- Control Panels
- Compliance & Rating Plates
- ID Tags
- Electrical / Switchboard Enclosures
- Interior Office Marking
- Exterior Labelling
- Safety Labelling

Ordering

To request a quote or order this material, send us an email with item code **PL-W16**, your details and the required label information.

Chemical resistance data is provided as a guide only and is not exhaustive. End users are responsible for verifying suitability for their specific application.

Get In Touch

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2/60-62 Abbott Road Hallam VIC 3803

Information contained in this specification sheet is accurate at the time of publication and is subject to change without notice. Product specifications, materials, manufacturing tolerances, and performance may vary due to application, environment, and production conditions. The end user is responsible for determining product suitability, intended use, installation requirements, and compliance obligations.
To the extent permitted by law, liability is limited for loss or damage resulting from incorrect selection, application, or use outside specified limitations.

LASER MATERIAL
2-COLOUR
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CHEMICAL BREAKDOWN

The following chemicals can generally be used safely on the Bright White Acrylic (material only) under moderate stress at ambient temperature conditions:

- Soap & water
- Bleach
- Sodium Hydroxide
- Propylene Glycol
- Mineral Oil
- Sodium Hypochlonte

The following chemicals can be used with caution in low-stress and/or short-duration exposure at ambient conditions:

- Ammonia
- Brake Fluid
- Chlorine (10%)
- Ethyl Alcohol (≤40%)
- Gasoline
- Dow Disinfectant Kerosene
- Isopropyl Alcohol (≤50%)

The following chemicals may cause crazing, cracking, discolouration, or dissolving of the Bright White Acrylic material and are not recommended:

- Acetic Acid
- Acetone
- Aromatic Solvents
- Butyl Alcohol
- Chlorinated Solvents
- Lacquer Thinner
- Sulfuric Acid
- Toluene
- Turpentine
- Xylene
- Benzene

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