LASER MATERIAL
2-COLOUR ACRYLIC
TECHNICAL DATA SHEET

PRECISION LABELLING
POWERED BY RECOGNITION ID
IDENTIFY • MARK • COMPLY

Material *Micro-surfaced impact modified acrylic*

Colour Combinations	Full list of available colour combinations on page 2 & 3
Finish	Matte
Thickness	0.8mm 1.6mm
Regulations	RoHS
Min. Single Label Size	25mm x 8mm
Max. Single Label Size	600mm x 300mm

Durability *Material only*

External Weathering	2+ years outdoor Suitable for indoor installation UV resistant
Fire Rating	UL 94 HB
Chemical Resistance (material only)	***(Refer to Chemical Breakdown on page 4 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 the relevant item codes on page 2 & 3, 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

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Colour Combinations *0.8mm thickness*

- *White Surface, Black Engraved*
  Item Code: PL-WB08
  C 0 **M** 0 **Y** 0 **K** 0
  R 255 **G** 255 **B** 255
  PMS Trans White

  Black Engraving on White

- *Black Surface, White Engraved*
  Item Code: PL-BW08
  C 60 **M** 0 **Y** 20 **K** 100
  R 18 **G** 21 **B** 20
  PMS Black

  White Engraving on Black

- *White Surface, Red Engraved*
  Item Code: PL-WR08
  C 0 **M** 0 **Y** 0 **K** 0
  R 255 **G** 255 **B** 255
  PMS Trans White

  Red Engraving on White

- *Red Surface, White Engraved*
  Item Code: PL-RW08
  C 0 **M** 100 **Y** 100 **K** 10
  R 196 **G** 38 **B** 29
  PMS 1795

  White Engraving on Red

- *Yellow Surface, Black Engraved*
  Item Code: PL-YB08
  C 0 **M** 5 **Y** 100 **K** 0
  R 254 **G** 233 **B** 0
  PMS 107

  Black Engraving on Yellow

- *Green Surface, White Engraved*
  Item Code: PL-GW08
  C 100 **M** 0 **Y** 90 **K** 0
  R 0 **G** 146 **B** 81
  PMS 347

  White Engraving on Green

- *Blue Surface, White Engraved*
  Item Code: PL-SBW08
  C 100 **M** 50 **Y** 0 **K** 20
  R 0 **G** 79 **B** 134
  PMS 2945

  White Engraving on Blue

Ordering

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Colour Combinations *1.6mm thickness*

- *White Surface, Black Engraved*
  Item Code: PL-WB16
  C 0 **M** 0 **Y** 0 **K** 0
  R 255 **G** 255 **B** 255
  PMS Trans White

  Black Engraving on White

- *Black Surface, White Engraved*
  Item Code: PL-BW16
  C 60 **M** 0 **Y** 20 **K** 100
  R 18 **G** 21 **B** 20
  PMS Black

  White Engraving on Black

- *White Surface, Red Engraved*
  Item Code: PL-WR16
  C 0 **M** 0 **Y** 0 **K** 0
  R 255 **G** 255 **B** 255
  PMS Trans White

  Red Engraving on White

- *Red Surface, White Engraved*
  Item Code: PL-RW16
  C 0 **M** 100 **Y** 100 **K** 10
  R 196 **G** 38 **B** 29
  PMS 1795

  White Engraving on Red

- *Yellow Surface, Black Engraved*
  Item Code: PL-YB16
  C 0 **M** 5 **Y** 100 **K** 0
  R 254 **G** 233 **B** 0
  PMS 107

  Black Engraving on Yellow

- *Green Surface, White Engraved*
  Item Code: PL-GW16
  C 100 **M** 0 **Y** 90 **K** 0
  R 0 **G** 146 **B** 81
  PMS 347

  White Engraving on Green

- *White Surface, Blue Engraved*
  Item Code: PL-WSB16
  C 0 **M** 0 **Y** 0 **K** 0
  R 255 **G** 255 **B** 255
  PMS Trans White

  Blue Engraving on White

- *Blue Surface, White Engraved*
  Item Code: PL-SBW16
  C 100 **M** 50 **Y** 0 **K** 20
  R 0 **G** 79 **B** 134
  PMS 2945

  White Engraving on Blue

- *Smoke Grey Surface, White Engraved*
  Item Code: PL-SGW16
  C 20 **M** 0 **Y** 0 **K** 70
  R 79 **G** 86 **B** 91
  PMS 7540

  White Engraving on Smoke Grey

Ordering

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CHEMICAL BREAKDOWN

The following chemicals can generally be used safely on 2-Colour lasered material (material only) under moderate stress at ambient temperature conditions:

- Soap & water
- 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 2-Coloured lasered 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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