

Sign Materials Guide

Material specifications, outdoor suitability and lifespan reference

Material	Thickness	Outdoor Suitable	Outdoor Lifespan (Unlaminated)	Outdoor Lifespan (Laminated)	Description
Aluminium	1.6mm	✓	2 - 5 Years	5 - 10 Years	The Premium and most versatile material available. This material is ideal for resistance to corrosion and where strength is a necessity. Regulatory material for Road Signage, Parking Signs and best suited for most applications. Aluminium tolerances comply with AS 1734-1997
Steel - Sign White	0.55mm	✓	2 - 5 Years	5 - 10 Years	The is a Colourbond product specifically manufactured for the signage industry. Pre-painted white one sided steel. Most commonly used for signs fixed to concrete walls or existing Colourbond fences.
Polypropylene	1.4mm	✓	1 - 2 Years	3 - 5 Years	White plastic sheet which is 100% recyclable. Lightweight material best suited for medium term safety signs. Semi rigid material that is UV stable and longer term option than Corflute.
Corflute	5mm	✓	6 - 12 Months	1 - 3 Years	Most common short term safety sign material (900gsm weight). Corflute is a twin wall polypropylene commonly named flute board. Due to the flute nature of the material. Most commonly used for construction sites.
Corflute	6mm	✓	3 Years	3 - 5 Years	This material is only used in conjunction with Class 1 Reflective for temporary traffic control signage such and Multi Message Signage (1200gsm Weight). Slightly heavier material for the longer lifespan required on temporary traffic control.
Vinyl Sticker	0.1mm	✓	3 - 5 Years	5 - 7 Years	This is a quality Heavy Duty Polymeric vinyl fabric and has a long outdoor life. It is highly tear resistant and suitable for indoor and outdoor conditions. The glue is a permanent adhesive, but can be removed easily with the help of a heat gun.
Stainless Steel	0.55mm	✓	3 - 5 Years	5 - 10 years	The Premium Stainless Steel available in a variety of thicknesses and grades. This material is ideal for resistance to corrosion and where strength is a necessity. Our common grade is Stainless Steel 316 Grade. Built for the harshest Marine Environments.
Magnetic Sign	0.9mm	✓	1 - 3 Years	3 - 10 Years	A strong and effective hold on most magnetic surfaces, Magnetic signs are great for your car door, or Hazchem or similar surfaces
ACM / Aluminium Composite Material	3mm	✓	1 - 3 Years	3 - 10 Years	ACM or Aluminium Composite Material consists of two aluminium sheets bonded to a central core generally a Polyethylene material. It comes in a range of colours and styles. Generally a lightweight sign material widely used by signwriters.
Brushed ACM / Aluminium Composite Material	3mm	✓	1 - 3 Years	3 - 7 Years	ACM or Aluminium Composite Material consists of two aluminium sheets bonded to a central core generally a Polyethylene material. This has a distinctive Brushed Metal texture on one side, created by treating the surface with fine lines that reduce reflectivity while maintaining a metallic effect. Ideally used on doors for toilets/offices etc.
Acrylic	3mm	✓	1 - 10 Years	N/A	Acrylic is also know as Perspex comes in a range of colours and thicknesses and finishes. Lightweight and strong characteristics. Used in a range of signs from door, toilet, exit and Braille. Acrylic Braille signs should only used indoor due to UV Printing characteristics.
Rigid PVC	3mm	✓	3 - 5 Years	5 - 7 Years	Rigid PVC, or Polyvinyl Chloride is a rigid material valued for its durability and chemical resistance. Generally used for Emergency Information Panels (EIP's) and sometimes used in some Councils for Street Blades.

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Anodised Aluminium	1mm	✓	6 to 24 Months	N/A	Anodised Aluminium is a Raw material that has undergone electrochemical treatment to create a ingrained layer on the raw sheet. It is a very trendy material but can be problematic to print on. UV Printing is suitable for indoor use. Outdoor use needs a cut letter vinyl to be UV stable over a long period. Best suited for indoor braille and wayfinding signage. Available in multiple thicknesses.
Injection Moulded Plastic		✓	10+ Years	N/A	This material is only used for our braille signage. As it indicates is a molten plastic injected in a cast to make a extremely versatile sign. The sign cant be vandalised and or have the raised aspect of the sign picked off.
Porta Sign		✓	2 - 5 Years	5+ Years	Porta board signs or Portable safety signs are a handy option sign to warn of a Danger or something to look for. Heavyweight plastic for longer life and greater stability and they have a Hinge limiter to ensure legs open to correct position. Easy to transport with their light weight
Swing Stand Combos		✓	3 - 5 Years	5 - 7 Years	Aluminium sign bundled with a lightweight steel stand. Swing Stands are used for Danger, Warning, Safety advice and information. Commonly used in Traffic Control Signage.
Protective Laminate		✓	N/A		Protective Overlaminates is a clear film applied to the surface of signs to safeguard them from fading, scratches, water, dirt, and other environmental damage, extending their lifespan and readability. It can offer various benefits, including UV protection and assists in removal of graffiti.
Floor Lamination		Best Suited Indoor	N/A	1 - 5 Years	A protective, clear, often textured film applied to printed vinyl graphics that go on floors. This specialized laminate makes the floor graphic more durable and slip-resistant, essential for high-traffic areas like retail stores and events, while protecting the print from scratches and fading,
Cut Vinyl Lettering	0.1mm	✓	8 Years	N/A	Cut Vinyl is a product that can be used in multiple signage situations, Exit door sign, Fire Cabinet Signs, wayfinding signage. We use 3M 50 Series vinyl with a 8 year warranty.
One Way Vision Vinyl	0.1mm	✓	1-2 Years	3 - 7 Years	Perforated one-way vision vinyl is a printable, self-adhesive window film featuring thousands of tiny, evenly spaced holes. It allows full-colour graphics to be displayed on the outside while maintaining clear visibility from the inside, often creating a tinted, "one-way" effect. The adhesive is designed to cleanly remove from glass with little to no adhesive residue.

Reflective Materials (Sign Face Materials)

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Class 1 Reflective (Temp)		✓	3 - 5 Years	5+ Years	Class 1 Temp signs are used for safety and traffic signage that requires high visibility 24/7, such as on Traffic Control, Box Edge Signs, and any Temp Roadwork signage. It's the lowest grade of Class 1 (400) reflective material, designed to reflect light from many angles. Complies to AS1906-1-2017.
Class 1 Reflective HIP CL400		✓	5+ Years	10+ Years	Class 1 High Prismatic Reflective signs are used for safety and traffic signage that requires higher visibility 24/7, such as Regulatory Road Signs, critical safety signage. It's the most common grade of Class 1 (400) reflective material, designed to reflect light from many angles. Must be accompanied with 3M overlaminates for compliance. Complies to AS1906-1-2017.

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Class 1 Reflective Diamond Grade CL1100		✓	N/A	12+ Years	Class 1 (1100) signs are used for the most critical road signage especially formulated for highway signs and Stop, Give Way signs. It's the highest grade of reflective material, designed to reflect light from many angles. It is a premium grade of reflective sheeting used. Complies to AS1906-1-2017.
Class 2 Reflective		✓	3 - 5 Years	5 - 10 Years	Class 2 is used for signs requiring engineer-grade reflectivity for non-critical, off-road applications like car parks, shopping centres, and workplaces. Perfect Safety sign option for most applications, just slightly less reflectivity than Class 1 signs.
Luminous (Glow In the Dark)		Best Suited Indoor	1 - 3 Years	5+ Years	Luminous material (reactivates) when exposed to light and then illuminates in dark. Popular for evacuation, directional, safety and exit signage. Can last up to 10+ hours with at least 60 minutes exposure to ambient light for the first time and 10 minutes exposure after that.