

Mining Signage



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Custom Signage

Accumax support many clients in the mining sector with their custom sign requirements, our rapid response from quotation to design, production and delivery makes us a preferred supplier across Australia.

We guide our clients the material that will work best for their environment and purpose, as well as the best sign to communicate their messages. Often signage can be an after-thought or an oversight when in fact it is one of the most important tools you'll need to keep people safe on a minesite.

That's why we will come to you at your site, no matter of location or time, to work with you and provide guidance on your signage and compliance requirements.

Through this catalogue are some signs that we have manufactured for some valuable clients over the years. Most of these signs are still standing strong today.



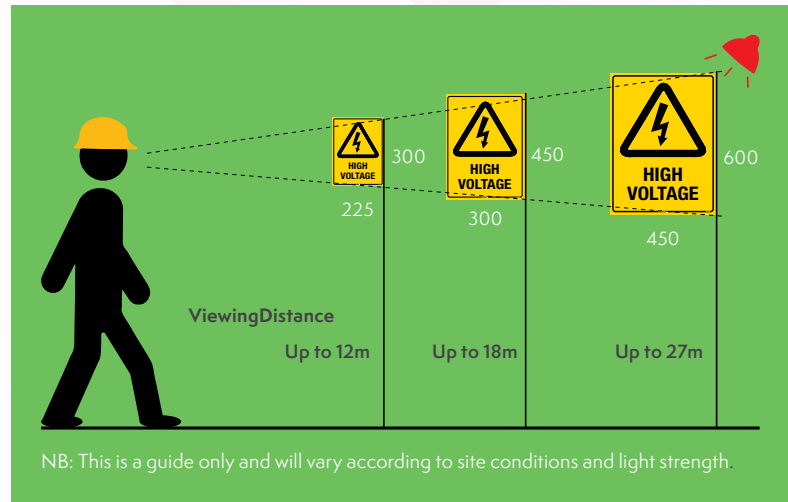
Understanding Safety Signs for Mine Sites

Guide to Selecting the Right Size Sign

Selecting sign sizes is more than just choosing the size that best fits the space you have available.

In order to comply with AS1319, you must consider the environment, lighting and viewing distance.

Refer to the diagram, simply measure your viewing distance and apply to the diagram. Remember, in poor lighting conditions, sign sizes will need to be increased by 50%.



Material Selections

Whiteboard

Accumax have the capacity to custom make any sign, to your requirements, including whiteboards.

Used as a flexible and portable means of communication, we have experience manufacturing and delivering large whiteboards on quality steel frames with wheels.

We've thought beyond the mine worksites and to the boardroom, making any meeting or temporary messaging possible with custom made whiteboards.



Corflute

Corflute is also known as corrugated plastic or corrugated board. Corflute is mainly selected for use as temporary or re-locatable signage needs, it is one of the most versatile materials suitable for a range of sectors.

With its weight being very light, it is easy to transport and handle. However, despite its lightweight nature it is durable and resistant to moisture, chemicals, and UV radiation.

Its durability makes it a long-lasting and easy to clean material, whilst the cost effectiveness means you won't break the bank when stocking up for your needs and the material is completely recyclable when you're finished with the item.

Alucabond

Alucabond is a patented aluminium composite sign material made up of two aluminium cover sheets and a fire-retardant material-filled core.

It can withstand more than aluminium. It is inherently fire retardant as well as being resistant to scratches, shocks and impact as well as UV and weather.

This special treatment means its long-lasting, for up to 15 years, without fading or deformation. This means, less replacement and spending in your budget.



Polypropylene

Made to resist extreme temperatures, polypropylene is an ideal material for those in regional parts of WA.

It can withstand various environmental conditions, including exposure to sunlight and moisture and is also resistant to chemicals and solvents.

A lightweight material, it is an affordable alternative to heavier materials normally used for large format signs and banners as it reduces installation costs and minimises the need for heavy-duty support structures.



Metal

Aside from the benefits of being durable, weather resistant and lightweight, the finishing options with metal as opposed to other materials make it a good choice for those wanting to add an extra impression.

Metal signs can be cut and shaped to various sizes and forms, allowing for unique eye-catching designs. High resolution graphics and intricate designs can be cut and etched, and illumination can be added to increase visibility at night.

Marine-Grade Aluminium

A specific material that should be selected when searching for signage options that can withstand corrosion and have high resistance to weather conditions.

The material allows for customisation such as brushed, anodised or painted finishes and graphics can be high resolution including detailed images and small text which is essential for conveying important information or warnings in marine settings.

Marine-grade aluminium signs require minimal maintenance.

Reflective Finishing

Reflective finishing is integral to ensuring the sign is highly visible in any environment, including open-pit and underground.

We have the capabilities to be able to apply reflective finishing to any sign, manufactured in any material.



3M™ Diamond Grade™ sheeting provides a high degree of reflectivity.

Reflective finishing provides the following benefits:

- 1. Improved Visibility:** Reflective signage is highly visible, especially in low-light conditions, making it easier for workers, visitors, and vehicles to spot and read signs. This enhanced visibility reduces the risk of accidents and helps prevent potential hazards.
- 2. 24/7 Readability:** Reflective signs are visible both during the day and at night, due to their ability to reflect artificial and natural light. This ensures that safety information and warnings remain legible around the clock.
- 3. Increased Safety:** Reflective signage helps to convey important safety information to workers, reducing the risk of accidents and injuries.
- 4. Reduced Maintenance Costs:** Reflective signs are durable and have a longer lifespan than non-reflective signs, reducing the need for frequent replacement and maintenance. This is particularly important in the harsh conditions often found at minesites.
- 5. Regulatory Compliance:** Mining operations are subject to strict safety regulations and standards. Reflective signage helps to meet these requirements, demonstrating a commitment to safety and compliance.
- 6. Emergency Response Support:** Reflective signage aids in an emergency response team in locating critical areas, such as emergency exits, first aid stations, and fire extinguishers.
- 7. Clear Wayfinding:** Reflective signs can be used for wayfinding, helping workers and visitors to navigate complex minesites and find their way to specific locations.
- 8. Minimised Confusion:** Reflective signage can reduce confusion by clearly indicating routes, access points or restrictions.
- 9. Enhanced Productivity:** Improved safety and communication through reflective signage can contribute to higher productivity and morale. When employees feel safe and well informed, they can focus on their tasks.
- 10. Branding and Identity:** Reflective signage can incorporate company logos, branding elements and specific colour schemes to maintain a consistent corporate identity across the minesite.
- 11. Weather Resistance:** Reflective signs are resistant to various environmental conditions including rain, UV radiation and extreme temperatures. They remain effective in the rugged outdoor settings of mining operations.



Danger Signs

Danger signs are used to communicate that there is potential hazard within a designated area.

Ignoring these signs or not having them in place can lead to serious injury or death, or other forms of harm.

These signs are typically designed with highly visible colours, symbols, and text to convey the urgency and severity of the danger.



RioTinto

DANGER

Combustible liquid

TK 5201 - 4,867,455l

TK 5202 - 4,877,360l

TK 5203 - 4,888,636l

No smoking

No naked flames

No ignition sources

No unauthorised entry

No mobile phones

Warning

Restricted area authorised personnel only

visitors must have an escort

beyond this point

Brockman Fuel Hub contacts

Emergency contact 0407 082 878

EMO Ch 140

UHF Ch 937

Site Contact 0418 745 414



Notice Signs

Notice signs are informative and typically provide details, guidelines, regulations, or general information to individuals in a particular area.

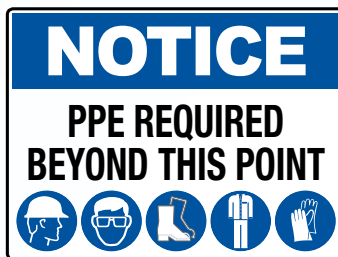
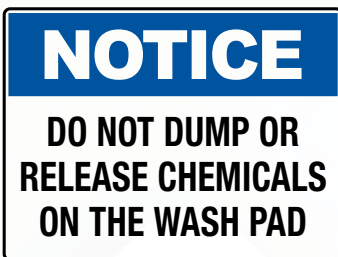
They are versatile and can be customised to convey a wide range of information, making them essential for communication, safety, and effective management of facilities and public spaces.

They help ensure that individuals are informed about their surroundings and can navigate environments efficiently while adhering to rules and guidelines.



NOTICE		
ALL VISITORS PLEASE REPORT TO SITE OFFICE		
Project Manager		
Engineer		
Site Supervision		

NOTICE
TARP CLOSING INSTRUCTION Roll tarp must be properly tensioned to avoid water ingress into the pit. 1. Roll tarp under opening in wall to closed position 2. Latch both retaining hooks over the tarp pole ends and ensure spring pins are engaged 3. Wind tarp in opposite direction to take the slack out of the tarp 4. Once tarp is firmly tensioned, place pole in tarp holder without losing tension in the process.



NOTICE
Commissioning Site Details Site: Site Contact: Radio Channel: Phone Number:

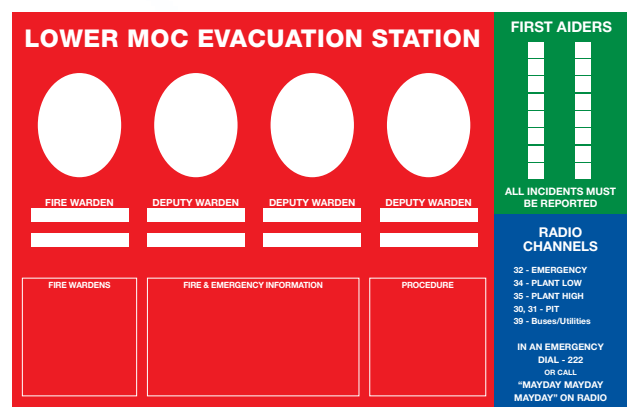
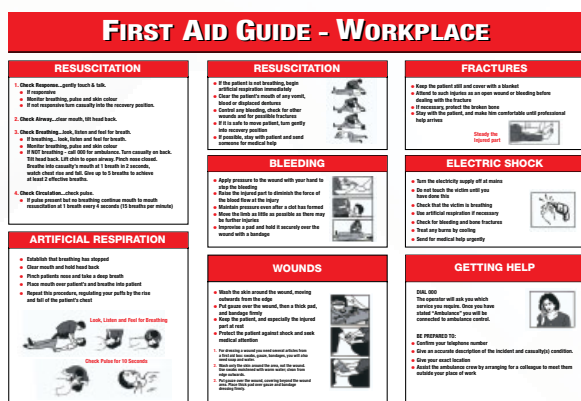
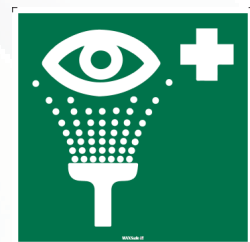


First Aid Signs

First Aid signs are critical for ensuring that individuals can quickly access the necessary medical assistance in the event of injuries, illnesses, or medical emergencies.

Understanding and adhering to the information provided by these signs can make a significant difference in the outcome of medical incidents.

They serve several purposes including increasing the visibility of first aid resources, guiding individuals to the nearest first aid station, ensuring the station is readily accessible and available and adherence to compliance.



Caution Signs

Caution signs, also known as warning signs, are used to warn of potential hazards, dangers or risks in a designated area or under certain circumstances.

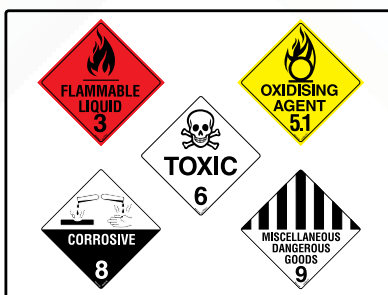
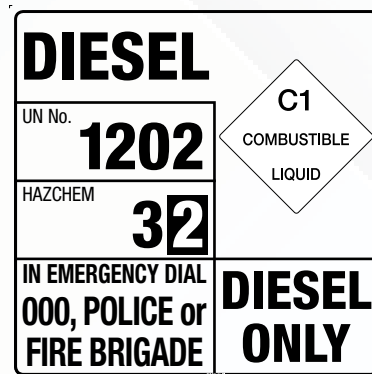
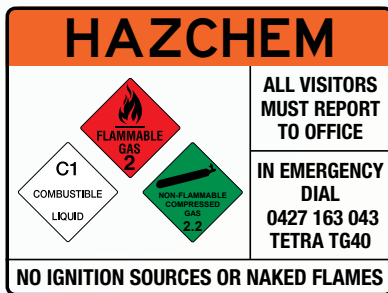
They serve several purposes including safety awareness, accident prevention, compliance with safety protocols, protection of property and environmental protection.

They are commonly used to communicate wildlife crossings traffic cautions, biological and radiation hazards, noise warnings, moving machinery, falling objects, slippery, uneven or hot surfaces and chemical or electrical hazards.



Hazchem Signs

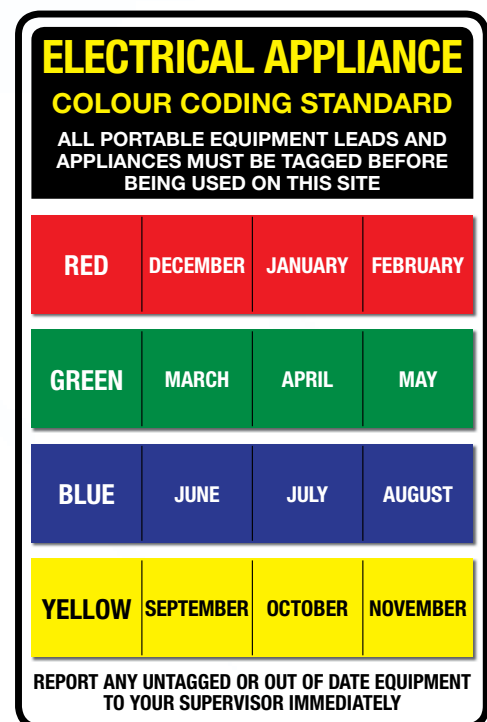
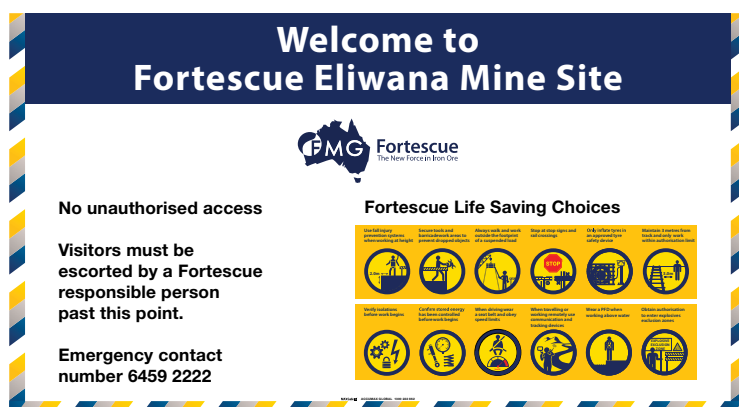
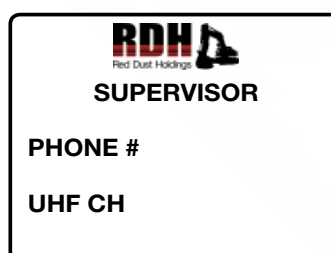
Hazardous Chemical (hazchem) signs on minesites serve as a critical means of communication to ensure the safety of workers and visitors. The signs are used to convey important information about the presence of hazardous substances, the specific nature of the hazard, and recommended safety precautions.



General Signs

General signs are simple, usually with only 1-3 words per sign they are used to label a specific area or provide direction to assist in wayfinding.

Some examples of general signs are despatch, lunchroom, office, reserved parking, private property.

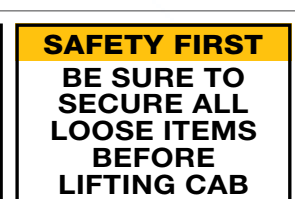
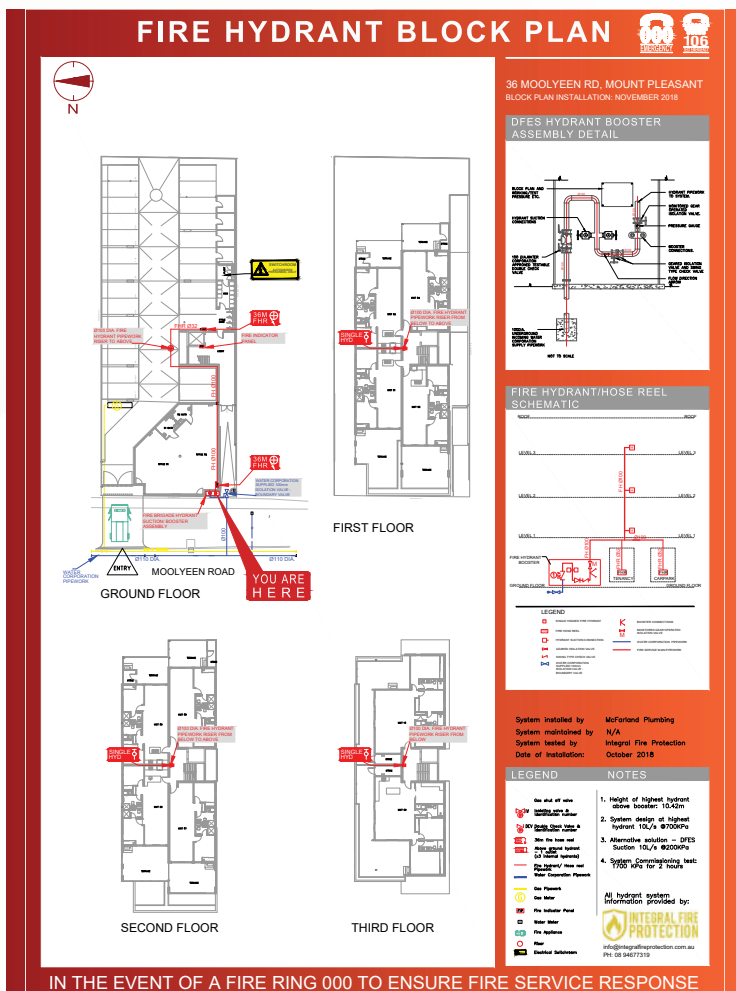


Fire Signs

Fire signs are essential for ensuring that individuals can quickly and safely respond to a fire or emergency situation. Understanding and following the information provided by these signs can save lives and minimise property damage during a fire incident.

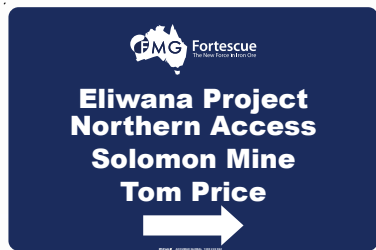
Properly maintained and clearly visible fire signs are a critical component of a comprehensive fire safety plan.

Some common types of fire signs are fire exit and door, fire alarm, fire action. Fire hose reel and extinguisher signs.



Wayfinding Signs

Directional signs on minesites serve the purpose of guiding personnel, vehicles and visitors safely and efficiently throughout the site. They play a crucial role in ensuring that people can navigate the complex and often hazardous terrain or a mining operation.



Health and Safety Signs and Risk Management Signs

It is vital for all individuals on a minesite to be familiar with the meaning and importance of health and safety signs. Proper understanding and adherence to these signs are critical for preventing accidents, injuries, and emergencies in the mining industry, which is known for its inherent risks and hazards.

RioTinto



**NOBODY DIES
NOBODY GETS HURT**



Life Saving Choices

You have the choice to save your life. These are **non-negotiable** controls that must be followed to protect you and your workmates.



Use fall injury prevention systems when working at height



Secure tools and barricade work areas to prevent dropped objects



Always walk and work outside the footprint of a suspended load



Stop at stop signs and rail crossings



Verify isolations before work begins



Confirm stored energy has been controlled before work begins



When driving wear a seat belt and obey speed limits



When travelling or working remotely use communication and tracking devices



Only inflate tyres in an approved tyre safety device



Maintain 3 metres from track and only work within authorisation limit




Wear a PFD when working above water



Obtain authorisation to enter explosives exclusion zones

Contact your Supervisor or Health and Safety Advisor for more information





SWICK SAFETY COMMUNICATIONS BOARD

Innovative • Productive • Safe

RISK REGISTER

LEGAL OBLIGATIONS

SAFETY PLANNER


SAFETY MEETINGS

SAFETY ALERTS/BULLETINS

EMERGENCY MGMT PLAN

HSE MANAGEMENT PLAN

TRAINING MATRIX



Innovative • Productive • Safe

Hierarchy of Controls

Effectiveness	Control Level	Description
Most Effective	1	Eliminate the hazard or risk
	2	Substitute the hazard or risk
	3	Redesign the equipment or work process
	4	Separate the hazard by guarding or enclosing it
	5	Introduce administrative controls
Least Effective	6	Provide personal protective equipment

Health, Safety & Environment Notice Board

TOOLBOX TALKS	SIGNIFICANT INCIDENT NOTIFICATIONS	SITE EMERGENCY MANAGEMENT PLAN	EMPLOYEE ASSISTANCE PROGRAMME
CLIENT COMMUNICATIONS/ CLIENT VALUES	ISSUE RESOLUTION PROCESS	CLIENT VALUES	
HSR REPRESENTATIVES		FIRST AIDERS	

PILBARA
ENVIRONMENTAL & SAFETY
MANAGEMENT SYSTEM

ISO 9001
Quality System

ISO 14001
Environmental System

ISO 45001
Occupational Health & Safety System

ISO 50001
Energy Management System

ISO 26000
Sustainability

ISO 27001
Information Security Management System

ST IVES MINE SITE

Safety Glasses

Hard Hat

Hearing Protection

High Visibility Long Sleeve Shirt Buttoned At Wrist



Cut 3 Rated Gloves Or Above


Long Trousers With Stripes




Steel Capped Lace-up Boots Laced to the Top

WORKERS ENTERING THIS SITE MUST BE IN THE POSSESSION OF PPE AS INDICATED ABOVE

RioTinto



1	2	3	4	5	6

MAINTENANCE IN PIT
MAINTENANCE IN PIT
MAINTENANCE IN YARD
MAINTENANCE IN YARD
BUILD & TYPE BAY
TOOL STORE

--	--	--	--	--	--

MAINTENANCE 4
MAINTENANCE 5
MAINTENANCE 10
MAINTENANCE 11
EDUCATION/PERSON
CONTRACTORS

--	--	--	--	--	--

WORKSHOP LEAD LINE

DEAD MACHINES IN PIT

TRAINING

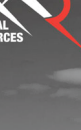
TEAM 1

TEAM 2

TEAM 3


TEAM 4


MACHINE TAGS




CRITICAL RISK MANAGEMENT

Managing Critical Risk Activities in MRL Workplaces.







Mobile Plant and Equipment Interactions




Excavation and Trenching Activities




Working with Hazardous Energy Sources




Working in a Confined Space




Working with Hazardous Substances




Ground Control Activities




Tyre Fitting and Handling Activities




Working on or Over Water




Working with High Risk Health Hazards




Working with Explosives




Working with Cranes and Lifting Equipment




Road Haulage Activities



Loading and Unloading Activities





Train Haulage Activities



Fixed Plant and Rotating Equipment

*Know your critical risks;
Verify your critical controls; and
Go home safe, everyday.*





6 MILE WORKSHOP Approved

Light Duty

- Warehouse box cutting
- Electrical work
- Fine precision work
- Electricity for use of controls (eg- crane controls)
- Laboratory work

General Purpose

- General maintenance activities
- Manual handling
- Tooling applications (eg- using planer, drill)
- Rigging
- Equipment set-ups
- Inspection activities

Cut Resistance

- Belt splicing
- Rubber lining replacement
- Electrical splicing
- Cutting open boxes
- Working with metal

Heavy Duty

- Tyre maintenance / change out
- Fixed plant operators (hoisting, roller change-outs, shovel use, unloading chutes)
- Heavy maintenance tasks (scuffing)
- Handling / manoeuvring GET
- Rigging

Risks

<ul style="list-style-type: none"> Loss of grip Lack of precision 	<ul style="list-style-type: none"> Oil / water penetration Loss of grip in wet and dry situations
<ul style="list-style-type: none"> Sharp edges Puncturing 	<ul style="list-style-type: none"> Hand / finger blisters Repetition Impact to hand

Note: Specialized gloves not listed here (eg- chemical handling / hot work – welding) are still available. Contact Supervisor for stock.

Trojan Signage Sled

Trojan Sign Sled

FEATURES

- » Fully galvanised reinforced frame
- » Interchangeable sign faces on multi-message board
- » Removeable message frame for use with standard signage
- » Diamond Grade™ delineation on frame
- » Can be customised to suit your needs
- » Transportable



Custom sleds available

- » Solar flashing LED lights

Pyramid Cones

Pyramid Cones

FEATURES

- ✓ Made from tough moulded plastic
- ✓ 3 faces available for custom messages
- ✓ Customise with any text on reflective
- ✓ Ideal for identifying temporary areas such as blast zones or other restricted access situations & car parks
- ✓ Stackable & UV stabilised
- ✓ For use with solar warning beacons & Reflectaline®

COLOUR:    

SIZE: 600mm or 900mm height

WEIGHT: 4kg or 9kg



Made from tough moulded plastic, our pyramid cones are more stable than traditional traffic cones, particularly useful in high wind areas.

Three faces available for messages make them ideal for identifying temporary areas such as blast zones or other restricted access situations.

Our pyramid cones are stackable for compact transport and storage.

Our safety cones can be supplied with your own customised message. Call us for further information.



Pyramid Cones

Product Code	Colour	Height	Weight
MAX-PC6-BL	Blue	600mm	4kg
MAX-PC6-R	Red	600mm	4kg
MAX-PC6-W	White	600mm	4kg
MAX-PC6-Y	Yellow	600mm	4kg
MAX-PC9-R	Red	900mm	9kg
MAX-PC9-Y	Yellow	900mm	9kg

Custom Stickers

Product Code	Description
CSPC-ADH	Customised sticker to suit 600mm high cone
CSPC-CL1-ADH	Class 1 customised sticker to suit 600mm high cone
CSPC9-CL1-ADH	Class 1 customised sticker to suit 900mm high cone

Signage Accessories

Ensure you consider signage accessories.

Our concrete blocks come in three sizes to accommodate the environment, the sign weight and quantity. Rest assured your signs will stay put with matched with concrete sign blocks.



MAX-CBB01



MAX-CBB02



MAX-CBB03

Product Code	Description	Sign Post Holes	Weight	Size
MAX-CBB01	Concrete Bollard Sign Blocks	1	900 kg	1000 x 600 x 600mm
MAX-CBB02	Concrete Bollard Sign Blocks	1	250kg	500 x 500 x 400mm
MAX-CBB03	Concrete Bollard Sign Blocks	2	900 kg	1000 x 600 x 600mm
POST50	3.25 mtr Galvanised Post 60mm OD c/w cap			
ARC060	Bracket c/w bolt to suit POST50			
SSB	Aluminium Single Sided Bracket to Suit 50NB Post			
DSB	Aluminium Double Sided Bracket to Suit 50NB Post			



Also available:
Concrete Tie-Downs



Solar Speed Limit Traffic Sign — 40 (MAX-ST504) installed on a Concrete Bollard Sign Blocks 250kg (MAX-CBB02).



ACCUMAX
GLOBAL

More safety barrier solutions and signage available.
Contact us on **1300 222 862** or sales@accumax.com.au to learn more.
accumax.com.au