



Serious about safety.

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winc.[®]



Meet our Health, Hygiene and Safety specialists.

At Winc, we have a team of industry specialists with many years of experience, dedicated to delivering tailored solutions for you.

Our Health, Hygiene and Safety (HH&S) experts can provide you with recommendations on the best products and services to suit your needs and offer your team training to ensure products are used correctly and safely. Our specialists have dedicated knowledge on safety and PPE, first aid, safety signage, cleaning products, cleaning consumables, and more. We asked the team what trends they have recently seen emerge in the safety space.



Sharon Bayldon
National Sales Manager HH&S

Sharon has been with Winc for 18 years. She has a wealth of knowledge in the HH&S space, previously working as a HH&S specialist for 15 years before moving to her current role.

“Over the past 18 months we’ve seen a huge uplift in demand for eco-friendly hygiene and safety solutions. More Australians are willing to pay a premium for environmentally sustainable, reusable and recyclable products resulting from the surge of single-use PPE like gloves and masks since the beginning of the pandemic,” says Sharon.



Mathew Doab
HH&S Specialist

For the past seven years, Mathew has provided health and safety advice to customers, helping select fit-for-purpose PPE, chemicals, safety signage and more for work sites across the country.

“In 2021, due to upgraded safety requirements, we’ve seen an increasing need for first-aid kits at workplaces to ensure employee safety and wellness has impacted the growth of the first-aid industry. The introduction of numerous first-aid training programs at schools, workplaces and industrial sites has created consumer awareness about the importance of first-aid, which has further bolstered product demand,” says Mathew.



Con Latsonis
HH&S Specialist

Con has been with Winc for the past 14 years. He provides hygiene and safety solutions to local customers in South Australia across a range of industries including healthcare, education, professional services and the industrial sectors.

“Safety and PPE offerings are just getting better and better, and you can see that reflected in the number of solutions available on the market today. We’re seeing more multi-purpose products that are fit for a range of applications, like safety boots that cover all your bases – electrical protection with rubber insoles, crush protection with steel toe caps and chemical protection thanks to harder wearing TPU soles,” says Con.

About Winc.

Winc is a workplace supplies company. We take care of everything a workplace needs to work, wherever work happens to be.

Whether you work in an SME or large enterprise, we source, package and deliver the best solutions for your workplace. By offering the broadest range delivered direct to your desktop or doorstep, Winc frees you up to do what you do best.

At Winc, we support customers with access to high-quality health and safety products and services from the world’s most trusted and reputable brands through our extensive network of leading suppliers. No matter what industry you work in, our team of specialists can help you achieve and maintain the highest safety standards for your employees and any visitors to your sites.

We stock a wide range of safety solutions and personal protective equipment including hearing, eye, head and face protection, hand and respiratory protection, clothing and footwear, first aid and more. We also have the capability of delivering them to your sites across Australia.

We can help you maintain the highest standards in workplace health and safety through supplier training, mobilisation and project rollouts using our cost-effective solutions and industry insights.

“Our team of specialists can help you achieve and maintain the highest safety standards.”

Developments in the industry.

Between new regulations and a global pandemic, health and safety in the workplace continues to be front of mind and the industry is ever-evolving. Read on as we take a look at the latest developments in safety.

Young workers more at risk of injury

Latest industry statistics show that young workers between the ages of 15 and 24 years old (17% of the Australian workforce) are being over-represented in injury statistics compared to older workers.¹ Serious injuries affecting employees aged 15-24 years across all industries include:

- Trauma to muscles, tendons/joints and ligaments (40%)
- Wounds, lacerations, amputations (24%)
- Fractures (12%)
- Residual soft tissue disorders (6%)

In addition, one in four young workers stated that they had experienced a mental health issue. Recommendations to individualise safety strategies and accident prevention to the different types of workers have been put forward, as well as shaping a culture of safety for younger workers. Complementary WHS management systems will allow businesses to detect and respond to risks and opportunities.¹

Increased used of contractors and casual labour

Businesses across a wide range of industries are increasingly turning to contract hires and labour hire firms to manage fluctuations in their business, maintain workplace flexibility and cover specialised staff shortages. To ensure the health and safety of these workers, it is important that the following steps are taken:

- That any equipment the workers bring with them meets health and safety standards
- That workers are introduced to the person responsible for health and safety in their area
- That workers are trained and understand any health and safety requirements, policies and procedures before they commence work.

After work has commenced, the employer must make sure, among other things, that casual workers are properly supervised, that arrangements for the on-going identification and assessment of risks are in place and that refresher training is provided.

A growing need for Personal Protective Equipment (PPE)

The need for PPE following COVID-19 has caused progressive market growth, according to Safe Work Australia. Demand for PPE is forecasted to continue to increase over the next five years due to factors such as increased workplace accidents, climbing geriatric population, growing healthcare expenditure, strict protocols pertaining to safety and heightened awareness due to onsite training.³ Construction is also expected to be the fastest-growing industry segment of the global PPE market during this period. This is due to government regulations and standards that require end-use industries to use respiratory equipment for harsh working conditions and the increased demand from the healthcare and manufacturing industries.⁴

During the pandemic and beyond, it's important to know when to replace PPE. Where PPE has been contaminated by COVID-19, it should be disposed of in a closed bin. Following rules from Safe Work Australia, PPE is considered contaminated if:

- it has been worn by a symptomatic worker or visitor to the workplace
- it has been worn by a close contact of a confirmed COVID case
- it has been in contact with a potentially contaminated surface, or it is visibly soiled or damp (e.g. face masks).

Workers hearing affected by noise, vibration and harshness (NVH)

Investing in the correct hearing protection has never been more important. Recent findings reveal more than one in six Australians suffer hearing loss due to an ageing population and exposure to NVH. As a result, productivity losses are totalling more than \$16.2B or \$4,109 per person with hearing loss, due in part to reduced employment for those affected (\$12.6B).

“Growing trends include smart PPE and innovations in PPE textile design”



Emerging trends in PPE

The emergence of better PPE innovations means the market has seen lighter, thinner protective gear from cuts and abrasions as well as gloves and sleeves that are more comfortable to wear for longer periods.

Brought on by the pandemic, one significant challenge customers are currently facing is keeping safety eyewear from fogging when worn with a mask. Lenses with an anti-fog treatment are expected to be the ideal solution as wipes and after-production treatments regularly wear off. Growing trends also include smart PPE and innovations in PPE textile design.

¹ The National Collision Repairer, 2021, 'BODY REPAIRERS GUIDE TO WORKPLACE SAFETY 2021-22', <<https://www.nationalcollisionrepairer.com.au/body-repairers-guide-to-workplace-safety-2021-22/>>

² Amtil, 2021, 'Worker hearing challenges rise as NVH takes toll', <<https://amtil.com.au/airsprings-hearing-safety-amtil/>>

³ Safe Work Australia, 2020, 'PPE', <<https://www.safeworkaustralia.gov.au/covid-19-information-workplaces/industry-information/home-services/ppe?tab=tab-toc-employer>>

⁴ MarketsandMarkets, 2021, 'Personal Protective Equipment Market growth is projected to reach \$58.34 billion by 2022, at a CAGR of 6.5%', <<https://www.whatech.com/markets-research/industrial/712778-personal-protective-equipment-market-growth-is-projected-to-reach-58-34-billion-by-2022-at-a-cagr-of-6-5>>

What do the experts say?

We spoke to Mike Verheyen, Head of HSE at Winc, Shane Alexander, Head of Transport at Winc and Shaun logha, Senior HSEQ Advisor at Modular Building Systems for their take on the new opportunities and challenges facing the safety industry.

Mike Verheyen

Mike has worked in the safety industry for 20 years, currently at Winc as Head of HSE.



How has safety evolved in the warehousing space?

“I think aside from the change to the WHS Act in 2011 and changes in legislation, there has been a big shift to bring behavioural safety into the equation. A lot of emphasis is now on training and communication to spend time asking team members what they understand and then design responses to help them fill the gaps.”

How can safety professionals embed those behaviours and build a safety culture?

“One key is to get buy-in from leadership that safety is a priority. You need commitment at all levels, but it starts from the top. Next you need team leaders to really understand the impact of safety in the workplace and to continuously share the message. One of the challenges is how to keep safety messaging alive, and to do so, you need people to care and be accountable. I think a great way to build a safety culture is to make it relevant to the individual. At Winc, my team hosts interactive training sessions where we discuss safety aspects of team members’ work- and personal lives. What we’re trying to do is help people understand ‘why should this be important to me’, make it real and make it stick.”

How has the pandemic impacted your day-to-day role?

“COVID has certainly introduced an extra level of tracking, monitoring and reviewing of processes. For us it is about keeping on top of changing rules and situations and then getting the message out quickly. We have to keep focused on it because it can have a huge impact on our team in terms of their health and the business.”

Shane Alexander

Shane has worked in national transport and logistics companies for the past ten years, currently as Head of Transport at Winc.



What changes have you seen to safety in the transport industry?

“The legislation changes around Chain of Responsibility have definitely made a big impact. It has introduced a lot more accountability as everyone in the chain, from operators to businesses, has a level of responsibility. Another change is the use of technology. Technology helps us cut through to what’s happening with the team and allow experts to connect with operators. We have access to more data now in terms of delivery routes, speeds, how the loads are packed and sign off points. It allows us to predict trends, discover hazards early and avoid incidents.”

How has increased customer expectations on shorter delivery times impacted safety in this space?

“I think there has always been pressures to be more efficient, to reduce costs and to become faster and it’s of course a challenge to ensure safety isn’t compromised. With better policies and processes in place, as well as leadership that cares and prioritises safety, you can overcome that challenge. I think it’s also important to manage expectations and provide real-time transparent tracking for customers.”

What’s important to consider when equipping transport professionals and delivery teams to stay safe on the road?

“The equipment varies depending on the location, so it’s important to consider where your team operates. Our delivery drivers are working across Australia and visit many different workplaces and they must comply with different customer requirements. For example, some workplaces require our drivers to wear high visibility vests, and others require full PPE (safety glasses, hard hats). We use a vehicle checklist which includes things like PPE, restraining items to manage loads and first aid kits. During the pandemic, we have also introduced extra measures as situations have changed, to mitigate risks and help keep our team safe.”

Shaun logha

Shaun has worked as a safety professional for more than ten years across the construction industry, most recently as WHS Manager at Beechwood Homes and is currently Senior HSEQ Advisor at Modular Building Systems.



How has safety evolved in the construction segment?

“There’s been a culture shift in my opinion, in how workers follow processes. More responsibility is put on individuals now, so relying on them to do the right thing. I think as a safety professional, the job has become more about designing processes that work for people and the business. It’s important to balance safety with productivity. There has also been increased focus on audits.”

How important is it to be ISO-certified?

Being certified is very important because many customers require it nowadays, but I would also say that it’s more about making sure that you genuinely have those quality, safety and environmental management systems in place and that you keep identifying and actioning improvements. Audits are critical because the bar is being raised and it’s about showing continued improvement and commitment to becoming smarter. That covers everything from how you prevent injuries, plan worksites and use data to uncover trends. When we complete programs of work, we always reflect on lessons learned and make sure we share that knowledge with other sites to prevent future hazards.

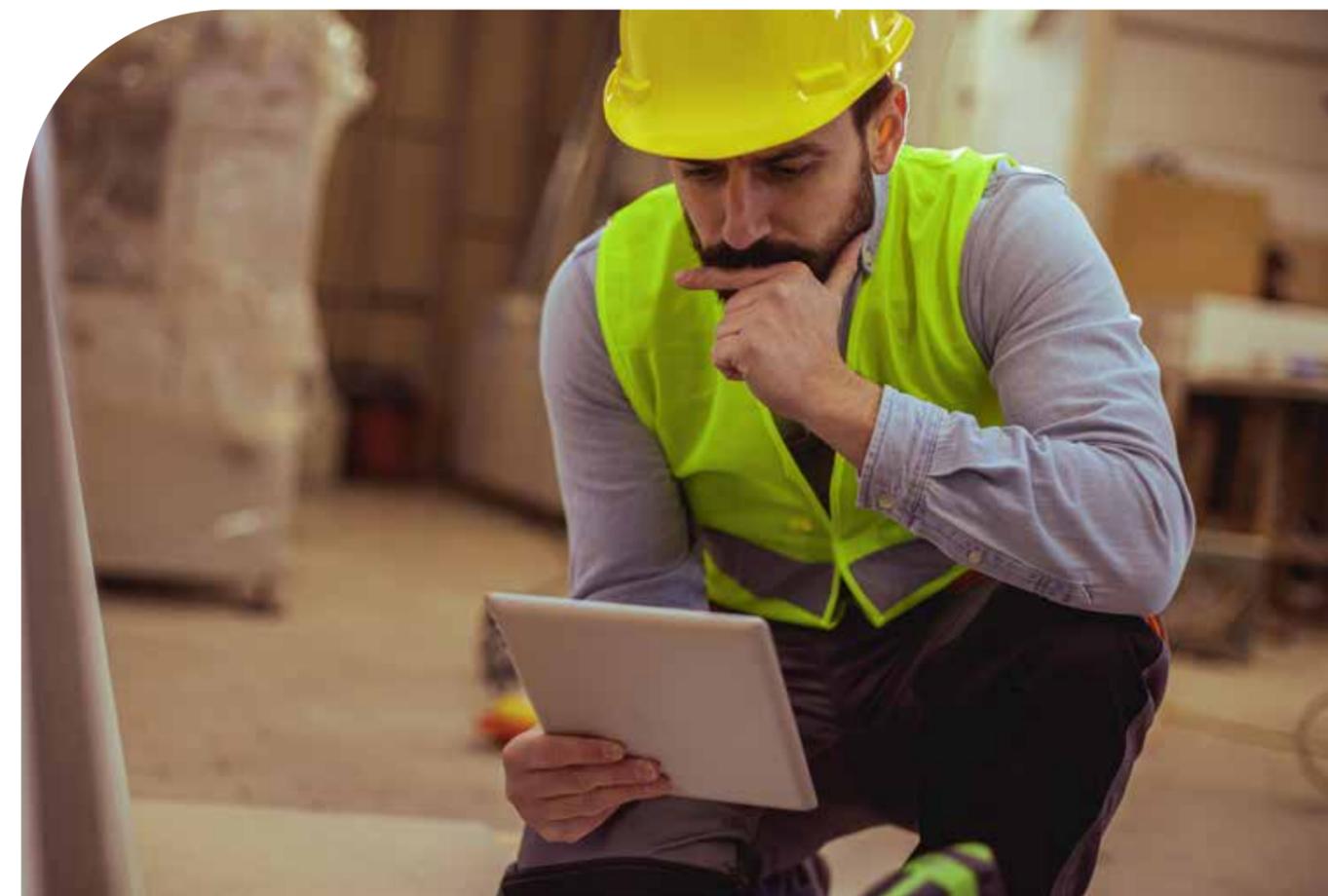
What are some of your considerations when choosing PPE?

Quality is critical of course and that’s why we generally prefer those well-known brands. In terms of selecting equipment, we often do consultations with our people to get their feedback and understand what equipment will work for them – comfort is very important. In the construction industry, I recommend keeping some equipment ready for contractors as they may lose things on sites or need extra PPE to comply with the site requirements.

It’s important to remember that PPE is only one part of the hierarchy of control. For instance, when we work with silica, we use suitable PPE, but we also consider if we can isolate it or use better ventilation methods. PPE is a great way to protect workers but of course, you need all appropriate controls in place.

“Covid has certainly introduced an extra level of tracking, monitoring and reviewing of processes.”

- Shaun logha, Senior HSEQ Advisor at Modular Building Systems.



One size doesn't fit all – selecting the right cut protection for the job.

Ansell is a leading global provider of PPE in the health and safety space. For more than 125 years, the team has offered the solutions and expertise workplaces need to keep their teams safe.

Ansell manufactures more than 10 billion gloves per year for mechanical, single use and chemical applications. The company provides protection solutions to a range of industries to protect more than 10 million workers across the globe.

According to research, 95% of organisations experience hand injuries of some sort, and of those that measured injury costs, these injuries were estimated to cost AUD \$60,000 per year.

These figures may also be undervalued as some organisations do not include all costs associated with injuries, such as legal costs, lost productivity, training, clean-up and administration.⁵

In the global market, the demand for chemical and single-use gloves has grown 15% higher than pre-pandemic levels.



“Globally, we’ve started to see a greater consideration and care for safety and COVID has alerted people to explore safety solutions and the expansive world of personal protective equipment. Employers want to better understand the standards and different types of PPE to make sure they have the right equipment and processes in place.”

- Theo Oostveen, Manager Marketing & Business Development, Australia & New Zealand at Ansell.

Choosing a glove that is fit-for-purpose

When used in conjunction with the other hierarchy of controls, PPE is a highly effective way to reduce hand injuries and choosing the right glove for the job is crucial for worker safety. Ensure you have chosen a glove that is fit-for-purpose and suitable for the industry and task at hand. Consider these three important factors when choosing your next pair of gloves:

1. Environment and application
2. Level of protection required
3. Additional properties required (i.e. dexterity or extra grip)

A great way to check the level of protection is to use the EN ISO standard. This cut level resistance is measured in Newtons and ranges from 2 (Level A) through to 30 (Level F). The more weight required to cut through the glove material, the higher the rating.

This standard was revised and the EN388 2016 labelling requirements now include a pictogram followed by up to six position-specific numbers or letters, indicating test performance ratings. For alpha ratings, A is the lowest and F the highest resistance to cut. Numeric ratings run from 1 (the lowest) to four or five.⁶



Abrasion Resistance: Rating 1-4

Blade Cut Resistance: Rating 1-5

Tear Resistance: Rating 1-4

Puncture Resistance: Rating 1-4

Cut Resistance (TDM-100 Test): Rating A-F

Impact Protection: Rating P for Pass, no marking for failure or absence of testing

Guide - Choosing the right glove



Potential workplace conditions and hazards.



Allergies to materials



Glove design and construction (dexterity and material)



Reusability and disposability



Glove style, fit and flexibility



WHS regulations (AS/NZS 2161)



Duration and nature of contact or exposure

Types of gloves



Hyflex 11-819 ESD Gloves
25174146



Ringers Knit Nitrile Impact 065 Cut 5 Gloves
25149817



Ansell Activarmr 43-216 Leather Mig And Stick Welding Gauntlet Gloves
25073843



Alphatec 58-535B Nitrile Chemical Resistant Gloves
87243420

The different elements of a cut-protective glove

Each glove is constructed differently depending on its application and properties. A high cut protective product is typically made from material that gets extruded into a thread and spun into a yarn to create a cut-resistant fibre. These materials may be made from high-performance polyethylene (HPPE), stainless steel, basalt rock, tungsten, glass or kevlar.

To maintain user comfort, materials like nylon, cotton, elastane or spandex can be weaved in and used as comforter threads. Latex is commonly used on the cuff to provide a snug fit and a coloured band is used to represent different sizes for easy identification.

Additional elements such as a thumb crotch (situated in the area between the index finger and the thumb) can be used to provide the glove with greater durability. Finally, the glove may be coated to obtain specific properties like grip.

Ansell is currently working on new product innovations, such as thinner and more lightweight gloves with a high cut rating while also retaining dexterity and comfort. With the increasing growth of digitisation in safety industries, Ansell is also focused on enhancing touchscreen-enabled gloves that allow workers to operate machinery and other technologies equipped with touch screens.



⁵ Ansell, 2018, 'ANSELL PUBLISHES SECOND EDITION OF HAND SAFETY REPORT IN PARTNERSHIP WITH NSCA FOUNDATION', <<https://www.ansell.com/au/en/about-us/media-center/press-releases/ansell-publishes-second-edition-of-hand-safety-report-in-partnership-with-nsca-foundation>>

⁶ Ansell, 2018, 'CHOOSING THE RIGHT CUT PROTECTION', <<https://www.ansell.com/-/media/projects/ansell/website/pdf/industrial/madewithhyflex/choosing-the-right-cut-protection.ashx?rev=016ce3674f3c4c81a994f1b0100438a6>>

Breathe easy at work – choosing a respirator that fits.

3M develops PPE using science, innovation, decades of industry experience and deep knowledge of industry standards to help keep people safe.

From safety glasses to ear protection, respiratory protection and more, the team at 3M can provide safety solutions for any industry application to keep workers safe in changing environments and landscapes.

Exposure to occupational chemicals can have significantly damaging and irreversible effects on the body including reproductive, cardiovascular, respiratory and immune system damage. According to research, cancer is the main cause of work-related death and over 200 substances have been identified as known or probable human carcinogens, many of which have been found in the workplace.⁷

3M Science. Applied to Life.™



Selecting the right respirator for the job

1. Assess the level of risk and exposure, i.e. the types of contaminants present and the significance of the health hazard
2. Determine adequacy: select the right filter for the contaminants present
3. Evaluate comfort: consider breathability and air resistance, duration and thermal impact load
4. Examine ease of communication: consider the impact the respirator will have on necessary communication between wearers

The significance of fit testing

“There’s a huge awareness and regulatory focus on the area of fit testing. Achieving the right fit is just as important as selecting the right type of respiratory equipment and using the right filters,” says Mark Reggers, Occupational Hygienist at 3M. Mark has over 15 years of experience in the health and safety industry.

When respiratory equipment is not fitted correctly, this significantly lowers the protection this gear can provide to the wearer. “The effectiveness of PPE relies just as much on the correct fit as it does on choosing the right PPE for the job. That’s why ongoing training is necessary,” says Mark.

There are two Australian and New Zealand standards for personal respiratory protection which set out the principles for selecting suitable gear, proper use and adequate maintenance:

- AS/NZS 1715:2009 Selection, use and maintenance of respiratory protective equipment.
- AS/NZS 1716:2012 Performance requirements for different types of respiratory protective devices.

⁷ International Labour Organization, 2021, ‘Exposure to hazardous chemicals at work and resulting health impacts: A global review’, <https://www.ilo.org/global/topics/safety-and-health-at-work/resources-library/publications/WCMS_811455/lang--en/index.htm>

“From an industrial point of view, PPE is not a new control, but building a safety culture where workers have a better understanding and appreciation of the role PPE plays has grown in recent years. We have started to see a cultural shift in safety for safety’s sake, not compliance’s sake.”

- Mark Reggers, Occupational Hygienist and Senior Application Engineer at 3M.

P1, P2, P3 and N95 Ratings – what’s the difference?

- P1, P2 and P3 are respiratory filter ratings used under the Australia and New Zealand AS/NZS1716 standards. N95 is a respiratory filter rating under the NIOSH standards used in USA and Canada.
- P1 provides protection against mechanically generated particles like materials created by grinding, cutting, sawing, drilling, sanding and so on. These particles are relatively large in size at over one micron. The P1 Rating filters at least 80% of airborne particles.
- P2 provides protection against both mechanically and thermally generated particles such as those released from welding fumes or plasma cutting as well as biologically active airborne particles. Its slightly thicker filter provides better filtration performance, filtering 94% of airborne particles, and captures smaller particles from thermal generation.
- P3, also known as the HEPA filter, provides the highest rating of particle filtration against both mechanically and thermally generated particles as well as highly toxic particles. It filters at least 99.95% of airborne particles when used with a full-face respirator or powered air-purifying respirator.
- N95 provides protection against mechanically and thermally generated particles and is the standard P2 equivalent, filtering at least 95% of airborne particles.
- Continuous focus on comfort and convenience in the future
- Some of the new innovations to respiratory gear include bigger quad flow filters to achieve less resistance and better breathability, built-in speech diaphragms for clearer communication, secure clicker filters for easier connection of attachable filters and even full-face respiratory solutions that incorporate other safety solutions like head protection and face shields. Achieving the right balance between comfort, protection and ease of use are the driving forces for these new and upcoming innovations.

Types of respirators



Disposable
25174627



Half face
10007457



Full face / Air purifying
10007464



Respirator kit
25167896

Guide - How to fit your P2 and NP5 mask correctly.

Nosedip should be moulded around the nose.

Upper strap should be positioned on the crown of the head. Strap should not be twisted.

Tip

Wait until you’re in clean air to remove your mask.

Tip

Check you have the right size of mask if you’re having issues with the seal.

Respirator should be correctly positioned on your face and head.

Lower strap should be positioned below the ears. Strap should not be twisted.

Tip

Face masks should be fitted and checked before entering an unsafe environment

Make sure the panels are fully unfolded.

Conduct a fit check

Check the seal of the mask by gently inhaling. If the mask is not drawn in towards your face or air leaks around the face seal, readjust the mask.

Protected - from head to toe.

While PPE is the final element in the hierarchy of control, it acts as an important additional measure to help safeguard employees. Winc has a wide range of safety protection solutions sourced from trusted market-leading brands, all complying with Australian standards. When selecting your PPE, make sure it's fit for purpose by assessing the work environment and the level of protection required.

Eye protection

In Australia, around 50,000 eye injuries occur in the workplace per annum, costing businesses approximately \$60 million.⁹ Risk of eye injuries in the workplace can be significantly reduced if proper preventative measures are put in place.

TIP: During the pandemic, some workplaces have opted for solutions such as face shields instead of safety goggles to avoid fogging when wearing face masks.



Scope Sniper Safety Specs Carbon Fibre Finish Frame Polarised Lens Each
18976402

Head protection

In the Australian and New Zealand AS/NZS 1801:1998 standard, there are three different types of protective helmets. They are categorised based on several factors, including the materials from which they were made, their construction and hardness.

- Type 1: suitable for the general industrial trade
- Type 2: suitable for workplaces exposed to constant high heat
- Type 3: suitable for workers involved in bushfire fighting.

TIP: For maximum protection, hard hats must be fitted correctly and worn according to the manufacturers' instructions. The nape strap should sit low on the head at the base of the skull and suspension adjusted to a snug fit.⁸



Pro Choice HHV9 Hard Hat White
18890026

High visibility clothing

High visibility gear is a staple item for many workplaces. There are certain requirements that must be followed when using high visibility reflective gear. Keep in mind that the only colours covered by the Australian and New Zealand standard are Orange-red, Yellow, Red and Orange.

Ensure your day and night gear complies with Australian standards:

- AS/NZ 4602.1:2011 High visibility safety garments for high-risk applications.
- AS/NZ 1906.4:2010 Retroreflective materials and devices for road traffic control purposes including high visibility materials for safety garments.
- AS/NZS 4602.2:2013 High visibility safety garments for fire service personnel.
- AS/NZS 4399:2017 Sun protective clothing

TIP: High visibility clothing should be used safely and fully closed. It's important that your team receives training on when and how to use this clothing. Storing the items correctly is also crucial to prevent fading or damage, which may render the item unsafe in terms of the Australian standards.



Prime Mover WWL8001A Lightweight Cotton Drill Shirt with Mesh Splits
18645031

Safety boots

Another staple item for many industries, steel toe work boots help protect feet against injuries from fallen objects, burns from chemical spills and punctures to the bottom of the feet caused by things like nails. In Australia, each year approximately 20% of workplace injuries are to the lower limbs. The most common foot injuries include Achilles tendonitis, plantar fasciitis, hallux valgus and stress fractures. Safety boots must comply with Australian safety standard AS 2210.3:2019.

TIP: Ensure your boots fit correctly to avoid common problems like corns and calluses and choose safety boots that cover the ankle for additional support and to help prevent rolled ankles.



Blundstone 024 Gumboots Safety Steel Toe Cap Midsole Protection Black Size 11
18868582

Hearing protection

To select the right hearing protection, it's important to consider the level and duration of noise. In WHS Regulations, the exposure standard for noise involves two measures:

LAeq,8h of 85 dB(A): over an eight-hour shift a worker can't be exposed to more than 85 decibels.

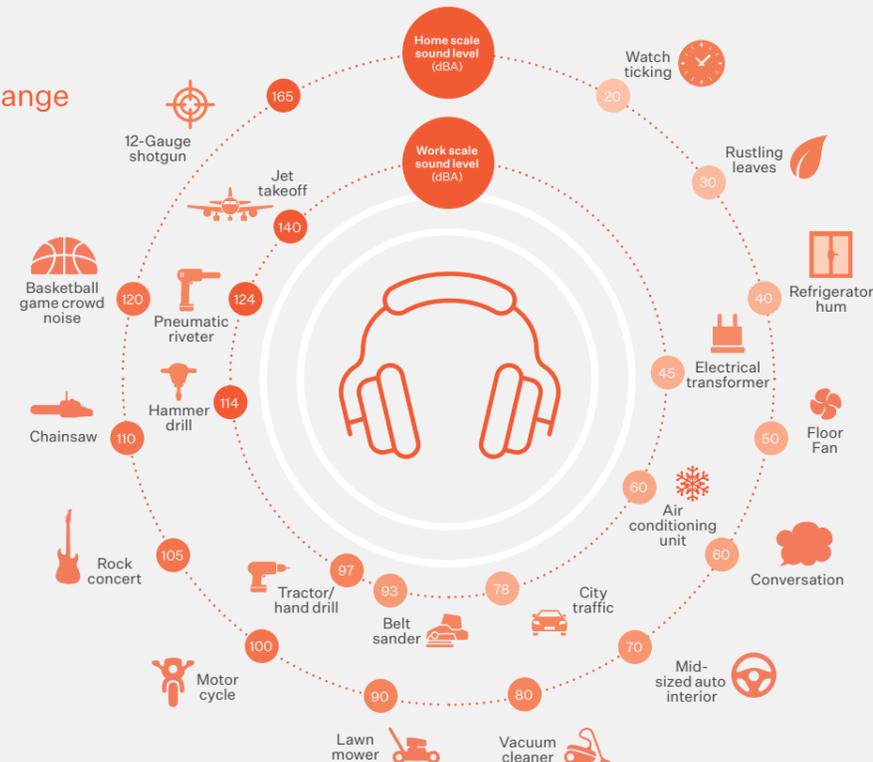
LC,peak of 140 dB(C): a worker can't be exposed to a noise level above 140 decibels. Peak noise levels greater than this usually occur with impact or explosive noise such as sledgehammering. Any exposure above this peak can create almost instant damage to hearing.¹⁰

TIP: Always check that your hearing protection is tested and approved in accordance with Australian Standard AS/NZS 1270:2002: Acoustics – Hearing protectors.



Uvex K2 Ear Muff Slc80 31Db Class 5
25008261

Guide - Noise Range



⁸ 3M Safety, 'Head protection...it's a no-brainer!', <https://www.3m.com.au/3M/en_AU/safety-au/stories/full-story/?storyid=7bf10c9a-a903-469b-993c-9ab74ad1c61d>
⁹ Australian Government Comcare, 2012, 'EYE HEALTH IN THE WORKPLACE', <<https://www.comcare.gov.au/about/forms-publications/documents/publications/safety/eye-health-in-the-workplace-guide.pdf>>

¹⁰ Safe Work Australia, 2021, 'Noise', <<https://www.safeworkaustralia.gov.au/noise>>
¹¹ Bayswater Allied Health, 2016, 'Lower limb injuries in the workplace', <<https://www.safeworkaustralia.gov.au/statistics-and-research/statistics/disease-and-injuries/disease-and-injury-statistics-type>>

The rise of disposable PPE.

Through the pandemic, the use of disposable PPE has been critical in protecting employees across hospitals but also industries such as construction and warehousing. Studies have shown approximately 129 billion disposable masks and 65 billion disposable gloves are being used and disposed of every month during the pandemic¹².

N95/P2 respirators and gloves are the first line of defence against the spread of bacteria. Disposable PPE should be used whenever possible as the virus can remain infectious on items for long periods of time.

How to properly dispose of PPE during the pandemic

Disposable protective clothing must be discarded immediately after use to prevent the risk of contamination. Disposable PPE should not be attempted to be washed or disinfected and reused at this can damage its protective properties, making the equipment ineffective.

If not contaminated, disposable PPE can be disposed of in a general waste bin, preferably with a fitted lid. Where PPE has been contaminated, it should be disposed of in a closed bin that does not need to be touched i.e., a bin with a foot pedal or other hands-free mechanism. It should contain two bin liners to ensure waste is double bagged to minimise exposure to the person disposing of the waste.¹³

It is estimated 129 billion single-use face masks are used monthly around the world.

Disposable vs Reusable

A wide variety of disposable PPE and equipment is currently available on the market, including gloves, masks, shoe covers, overalls and hair coverings. While disposable PPE is commonly used in healthcare settings, several construction tasks and environments may call for disposable workwear, like working with grease- or oil-based products or in environments that are hygienically sensitive. Employees who work in petrochemical environments and are exposed to flames and sparks are another example. While reusable fire resistance protective clothing is typically worn, an additional layer of protection is often required due to the potential for hydrocarbon loading. This additional layer provides the necessary chemical and fire-resistant protection to keep the primary protective gear effective. Disposable fire-resistant protection is one way to fulfill this need, such as disposable over daily wear.

By choosing a disposable alternative, you eliminate costs and time spent on cleaning and minimise the likelihood of contamination. In many cases and applications, a combination of reusable and disposable PPE is most effective. It's most important to consider the degrees of protection offered by both options and suitability for the situation, task and environment at hand.

Another important consideration in the decision-making process involves financial cost. Reusable PPE is more expensive and requires higher maintenance than single-use alternatives. Important factors to consider that may be necessary in the upkeep of reusable gear include decontamination, laundering, sterilisation, inspections and repairs. As disposable garments are only suitable for single-use applications, these are not factors that need to be considered.

An accurate assessment of the costs and maintenance required for reusable vs disposable options must include the considerations above.

"In the global market, the demand for chemical and single-use gloves has grown 15% higher than pre-pandemic levels.

- Theo Oostveen, Manager Marketing & Business Development, Australia & New Zealand at Ansell.

Recycling disposable PPE

Thermal heating devices have been developed to recycle plastic used in disposable PPE like masks and gowns, heating them up to 300 degrees Celsius and sterilising pathogens in the process.

This game-changing technology turns PPE plastic waste into long blocks of raw material that are 99.6% polypropylene, giving them a second life for use in the creation of other plastic products. This technological development is paving the way for a more circular economy in the disposable PPE space as we start to see more single-use protective equipment diverted from landfill. While this recycling process can currently only be completed at a smaller scale, this technology is anticipated to grow and change the way we tackle single-use PPE waste into the future.

Polypropylene in a mask can be recycled five to six times before it breaks down.



Bastion Progenics Disposable Gloves Vinyl Powder Free Clear Box 200
19024863



Uvex Ac-Pd Clear Disposable Ear Plug Dispenser
18923694



Uvex Earplugs Xf-Uc X-Fit Uncorded Box 200 Pairs
87087301



¹³Pigott, P., 2021, 'Plastic pollution: Could recycling PPE reduce the problem?', <https://www.bbc.com/news/uk-wales-57687261>

Be prepared with first aid products and equipment.

UV radiation represents a major workplace hazard for employees working outdoors as they receive up to 10 times more sun exposure than indoor workers.

Always be prepared with a complete first aid kit

First aid requirements will look different for every workplace, depending on the nature of work, location and size of workplace, safety hazards present and the number of employees in the workplace.

All first aid kits should include items to treat cuts, scratches, minor burns and splinters, punctures, muscular sprains, amputations and major wounds, broken bones, eye injuries and shock. It is mandatory to audit your first aid kits on an annual basis to ensure it is stocked with the appropriate items.

TIP: Always keep your first aid kit in easily accessible locations and close to areas where injury or illness may occur.



Unedit First Aid Kit
National Class B Portable
Hard Case Plastic Each
18880605

Stay sun safe

In addition, Cancer Council states 85% of Australians don't apply enough sunscreen. The recommended amount is 5mL (approximately one teaspoon) for each arm, each leg, front and back of the body and face (including neck and ears).

That equates to 35mL for a full body application. In laboratory tests and when used as directed, SPF50 sunscreen filters 98% of UV radiation.¹⁴

Exposure to the sun during the peak UV period on a summer day (between 10.00am and 2.00pm) can result in:

- Mild sunburn (12 minutes)
- Appreciable discomfort (30 minutes)
- Peeling and blistering (60 minutes)
- Permanent damage (120 minutes)

Ensure that all workers have access to sun protection and consider whether hats or special heat safe clothing is required.



Hamilton Sun Active Family
Lotion SPF50+ 1L
25058536

When every minute counts

Each year in Australia, about 25,000 people have a cardiac arrest out of hospital (OHCA). As few as 5% survive to leave hospital and go home. The most common cause of a cardiac arrest is ventricular fibrillation (VF). In VF, the electrical activity of the heart becomes erratic, causing the heart to quiver or 'fibrillate' instead of beating normally.

Defibrillation is the use of an electric shock through the chest wall to correct the VF. It will only deliver a shock if necessary, meaning you cannot hurt someone by using a defibrillator. Use of an automated external defibrillator (AED) is one of the key opportunities for increasing survival from OHCA.

Training on how to use this device is crucial. Research shows 52% of Australians don't feel confident using an AED. In a survey of over 7,000 Australians, almost one in three people had never heard of the device.¹⁵ The optimal time to use a defibrillator on someone suffering from a cardiac arrest is within three minutes, so the location of the device needs to be easy to spot and to access.¹⁶

See our defibrillator supply case study with Woolworths overleaf.



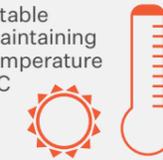
Philips Heartstart PH-M5066A
Defibrillator with Philips
Standard Case
87220481

Guide - Keeping a safe work environment during summer

Encourage regular breaks.



Keep comfortable indoors by maintaining an optimal temperature of 20°C - 26°C



Stay hydrated with 2-3 litres of water per day



Organise first aid or any other assistance the worker needs. If emergency medical assistance is needed call 000.



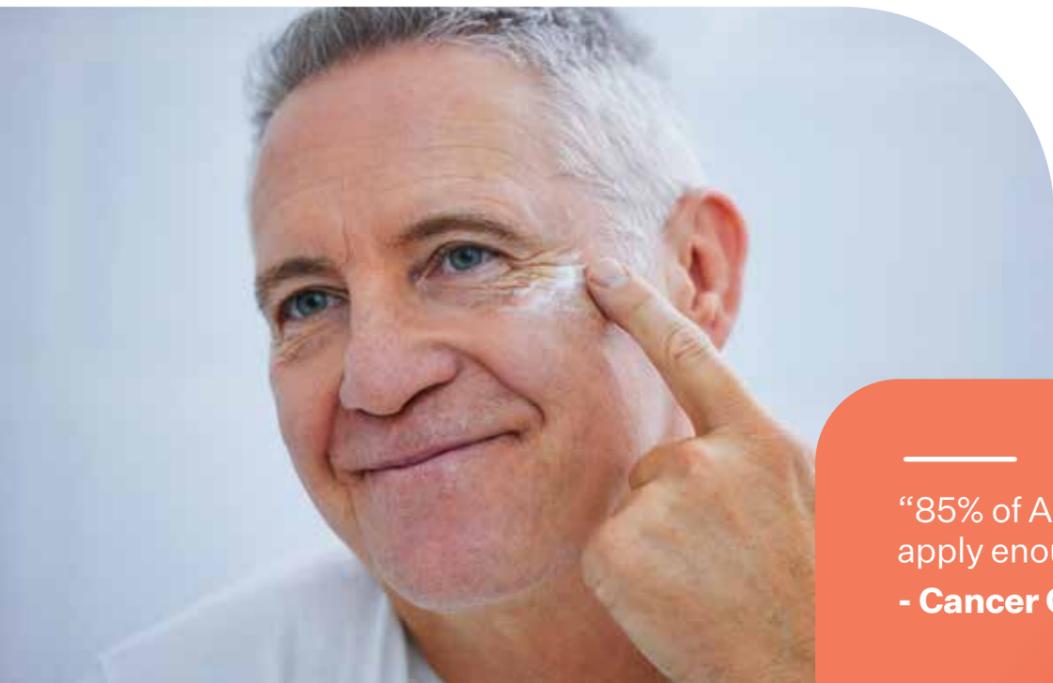
Look out for heat related symptoms such as*

- Muscle spasms
- Dehydration
- Heavy Sweating
- Rapidly rising body temperatures
- Fatigue



- Nausea
- Vomiting
- Headache

Offer summer uniforms with a UPF rating of 30+ which ensures 96%+ of UV radiation is blocked



“85% of Australians don't apply enough sunscreen”
- Cancer Council Australia

¹⁴ Cancer Council, 2021, 'About Sunscreen', <<https://www.cancer.org.au/cancer-information/causes-and-prevention/sun-safety/about-sunscreen>>

¹⁵ Heart Foundation, 2020, 'Half of Aussies wouldn't feel confident using defibrillator, new survey reveals', <<https://www.heartfoundation.org.au/media-releases/Aussies-dont-feel-confident-using-defib>>

¹⁶ Finn, J., 2018, 'Strategic placement of automated external defibrillators (AEDs) in public locations', <<https://www.heartfoundation.org.au/Bundles/Research-Directory/Strategic-placement-of-automated-external-defibril>>

Case Study: Woolworths and Winc.

Partnering with Integrity Health and Safety to save lives.



Challenge

To source, package and deliver the most user-friendly AEDs on the market to ensure anyone suffering from a Sudden Cardiac Arrest in or near any Woolworths Supermarket, BIG W or BWS store nationally has access to the best and most immediate first aid available.

Solution

1,000 HeartSine Samaritan PAD 500P units sourced from Indigenous supplier Integrity Health & Safety were delivered to Woolworths stores around the country with custom cabinetry, on time and within budget.

Results

Rural and regional stores, or areas where accessing a medical site is more difficult, were the first to install the defibrillators. These units have helped save lives with several instances of the defibrillators being used in the event of Sudden Cardiac Arrest.

Caring for the community

Woolworths Group, a long-term customer of Winc, requested help to source 1,000 lifesaving defibrillators that could be used in the event of sudden cardiac arrest to save lives of shoppers and team members alike.

Symptoms of cardiac arrest include sudden collapse, loss of consciousness and abnormal or trouble breathing. For every minute without CPR (cardio-pulmonary resuscitation) or treatment with an AED to restart the heart, the chances of surviving a cardiac arrest go down by 10 per cent. What's more, according to community group Australian Hearts, global evidence suggests that in the workplace, the use of a shared AED within five minutes, or within three minutes if onsite, helps to protect lives either twice or three times as effectively if an AED is not present.

Anyone, anywhere, anytime

While all Woolworths stores have a first aid responder trained in operating the AED, the units sourced by Winc are designed to be used by anyone. Clear step-by-step voice instructions can guide anyone, including members of the public, through the process. The unit also offers crucial CPR feedback through both visual and verbal prompts to deliver real-time assistance.

Indigenous benefits

The rollout of the AEDs also contributed to Woolworths' own Reconciliation Action Plan commitment which focuses on delivering multigenerational benefits to Indigenous Australia by building opportunities with Aboriginal and Torres Strait Islander businesses. Winc's supplier, Integrity Health & Safety, is Australia's first Indigenous provider of workplace health and safety products. Co-founded by an Indigenous paramedic, Integrity Health & Safety supports the ongoing professional development of Indigenous nurses through several initiatives including pro bono first aid and CPR training. In addition, Integrity sponsors nurses for flu vaccinations, arranges for regional nurses to attend relevant conferences and funds select clinical and personal development courses. The intention is to build healthcare capability in Indigenous communities in a culturally safe and appropriate way.



Logistics offering unparalleled reach and speed to market

When Woolworths announced its investment in AEDs, it became the first major retailer in Australia to order and install defibrillators on a mass scale. With the complexity of delivering to 1,000 locations across Australia, Winc's effective logistics and supply chain was vital to getting half of these units to some of Australia's most remote communities within a three-week window. Over 350 of these were picked and packed on the same day.

The priceless outcome

Four months after its installation in the Woolworths store in Adelaide's Blakeview, one of the Winc supplied AEDs were used to resuscitate 60-year-old Ian Aldenhoven. He had been dead for 16 minutes after suffering from a sudden cardiac arrest in the car park. The AED at the front of the store was retrieved by Woolworths assistant manager Annette Brook and used by an off-duty trauma nurse to deliver two shocks that helped save Ian's life. With such a priceless outcome, the Heart Foundation has warmly welcomed this community minded initiative and strongly encourages the placement of AEDs in all places where people gather in numbers.



winc.[®]

**For all your safety requirements,
visit winc.com.au/safety**