

SPECIALTY WORKWEAR BEAT THE HEAT

COOLING PPE / KEEPING WORKERS SAFE & PRODUCTIVE IN THE HEAT





FEELING THE HEAT STRESS

Heat stress occurs when the body's natural cooling mechanisms struggle to keep up with excessive heat, leading to a range of adverse health effects. These effects can range from mild discomfort to severe illness, and in some cases, even fatalities. The rising temperatures not only put individual workers at risk but also have broader implications for workplace productivity, occupational safety, and public health.

Heat stress is a prevalent concern that significantly impacts workers where exposure to high temperatures is a common occurrence. These work environments, such as mining, infrastructure, manufacturing and construction sites, pose unique challenges due to the combination of intense physical activity, the environment, and machinery-generated heat. The effects of heat stress in industrial workplaces can have severe consequences for both the workers' health and overall productivity.

When workers experience heat stress, their performance and productivity can be significantly compromised. Fatigue, reduced concentration, slower reaction times, and decreased cognitive abilities are common consequences, leading to an increased likelihood of errors, accidents, and injuries. Moreover, absenteeism, decreased morale, and higher turnover rates may

result from the discomfort and health risks associated with working in hot conditions.

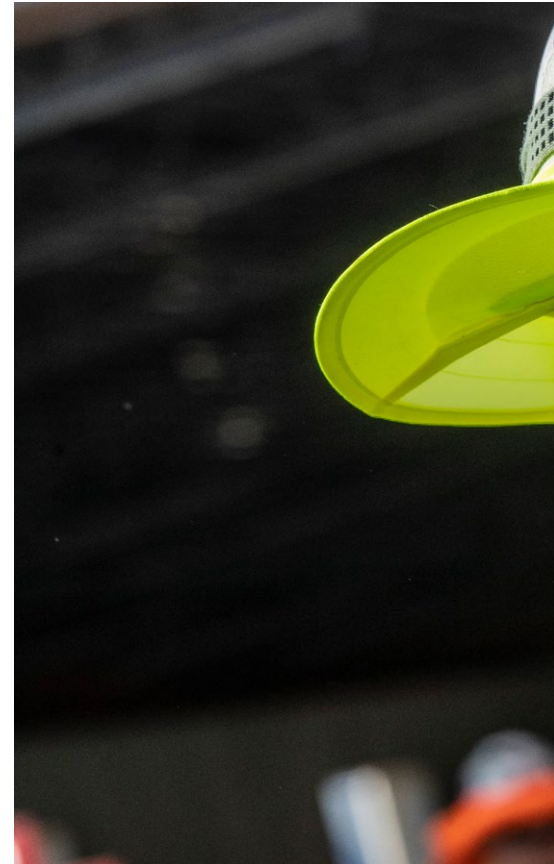
To mitigate the adverse effects of heat stress employers must prioritise the implementation of preventive measures.

These measures may involve implementing work-rest schedules to allow for recovery breaks in cool or shaded areas, and providing access to hydration stations or encouraging regular water breaks. Comprehensive training programs should educate workers and supervisors on recognizing the signs and symptoms of heat stress, promoting a culture of awareness and proactive response.

Personal protective equipment (PPE) tailored for hot environments is another crucial to reduce the risk of heat stress while ensuring worker safety.

Lightweight and breathable clothing, heat-reflective materials, proper heat-resistant and cooling PPE can help alleviate the strain on workers' bodies and enhance their ability to regulate body temperature.

By addressing heat stress workers can safeguard their health and well-being. Moreover, proactive management of heat stress not only enhances workplace safety but also improves productivity and creates a conducive environment that fosters employee satisfaction and retention.



THE FACTS

- Heat stress is when the **temperature and humidity** on a worksite become so high that it becomes dangerous for workers.
- This leads to heat-related illnesses include **dehydration, heat cramps, heat rash, heat exhaustion and heat stroke.**
- Heat stress is caused by a variety of factors, such as **inadequate hydration, repeated physical activity, direct sunlight, temperatures and lack of ventilation.**
- There are **no legal limits** as to what temperatures workers can safely work in. Management have a duty of care to provide a safe environment.



THE STAGES OF HEAT STRESS



DEHYDRATION

Dehydration is a condition caused by the loss of water and electrolytes from the body, it occurs if the body loses fluids.

Thirsty & Dry Mouth

Unusual Sweating

Dry Skin

Unusual Urination

Dizziness & Fatigue



HEAT EXHAUSTION

Heat exhaustion occurs when the body is unable to effectively cool itself due to exposure to extreme heat.

Weakness & Paleness

Heavy Sweating

Tiredness

Headaches & Dizziness

Nausea & Vomiting



HEAT STROKE

Heat stroke is a severe form of heat-related illness that can occur if your body temperature rises to 40°C or higher.

Heat Cramps & Rash

Rapid Breathing & Heartbeat

Seizures

Loss of Consciousness

Cardiac Stress



COOLING BAND

Chill-Its 6602 Evaporative Cooling Towel



The **Chill-Its 6602 Evaporative Cooling Towel** features advanced PVA cooling technology for relief in extreme heat. When wet, this towel remains lightweight and comfortable for bulk-free wear around the neck or head. Heat-related illness continuously ranks among the top causes of worksite accidents and fatalities. Evaporative cooling technologies such as PVA (polyvinyl alcohol) are a simple, effective and comfortable solution for heat stress prevention.

Similar to how sweat cools the body, evaporative technologies use an external water source to draw heat away - helping to regulate body temperature while providing cool relief. When activated, this PVA cooling towel is comfortable and refreshing for even the hottest days of the year. Run the PVA cooling towel under water for one minute or until saturated, wring out excess water and wave to activate with airflow. Drape towel around neck or head for four hours of cooling relief.

The PVA material will dry stiff like a sponge—simply rewet until soft to reactivate. Machine wash, hang dry and conveniently store in the included plastic container when not in use. This evaporative cooling towel is ideal for construction, landscaping, roofing or anyone working in the heat.



EASY ACTIVATION

Reusable: Re-wet to activate

Run or submerge under water for one minute to activate cooling technology

4 HOURS OF EVAPORATIVE COOLING

PVA easily activates with water for cool relief on hot days

STIFF WHEN DRY, SOFT WHEN WET

Hang dry

Wet to activate

PVA material will dry still like a sponge, simply rewet to soften

PERFECT FOR WORK & WEEKEND

Simple, effective and comfortable solution for heat stress prevention

- **INSTANT COOLING RELIEF** - Run under water for one minute or until saturated, wring out excess water for drip free cooling
- **LONG LASTING** - Can last for up to 4 hours on a single soak. Simply re-wet to increase cooling duration
- **HOW DOES IT WORK?** - Cooling PVA material absorbs water and creates a cooling sensation as it evaporates
- **REUSABLE & MACHINE WASHABLE** - Air dry until material is stiff, re-wet until soft and machine washable with mild detergent
- **HEAT STRESS PREVENTION** - Reduces the effects of heat exhaustion and fights fatigue while working or playing in the heat - can also be used to help bring down fevers, hot flashes or night sweats

SKU# 12420

VEST

CHILL-ITS 6665 EVAPORATIVE COOLING VEST

- **LIGHTWEIGHT** – 100% nylon, quilted nylon outer layer and front zip closure and water-repellent liner and black cotton-poly elastic trim – lightweight, durable, and washable
- **QUICK RECHARGE** – Soak the garment in water for 2-5 minutes, water soaks into the fabric and keeps the user cool for up to 4 hours
- **IMMEDIATE & LONG-LASTING COOLING RELIEF** – Polymer-embedded cooling technology quickly activates for up to four hours of relief from the heat
- **COMFORTABLE** – 100% quilted nylon with mesh side panels
- **MULTIPLE-SIZES** – M, L, XL, 2XL, 3XL

SKU# 12533 - M / 12534 - L / 12535 - XL / 12536 - 2XL / 12537 - 3XL



VEST



CHILL-ITS 5155 LOW PROFILE HYDRATION PACK

On-the-go hydration / 2.0L high-quality thermoplastic bladder / No plastic taste / Lightweight & low-profile / Wide dualcap opening / Zippered top closure / Insulated pack & tube / Breakaway design

SKU# 13156 - LIME / SKU# 13157 - ORANGE



VEST



CHILL-ITS 6215 PREMIUM FR PHASE CHANGE COOLING VEST WITH PACKS

Immediate and long-lasting cooling relief / Maintains 18°C for up to 4 hours / Flame resistant / Quick recharge / Design eliminates stiffness / Reflective accents

SKU# 12220 - S/M / 12221 - L/XL / 12202 / CHARGE PACKS SKU# 12202



VEST

CHILL-ITS 6260 LIGHTWEIGHT PHASE CHANGE COOLING VEST WITH PACKS

- **IMMEDIATE & LONG-LASTING COOLING RELIEF** – Packs maintain a constant 15° C for up to 2 hours
- **QUICK RECHARGE** – Cooling packs reactive in as little as 5 minutes
- **COMFORTABLE** – Polyester cotton blend construction
- **LIGHTWEIGHT** – 30%-60% lighter weight than other cooling vests
- **ENVIRONMENTALLY FRIENDLY** – 100% biodegradable phase change cooling material
- **GRID DESIGN** – Grid ice pack design eliminates stiffness
- **FLEXIBLE FIT** – Adjustable hook and loop closures on waist
- **MULTIPLE-SIZES** – S/M, L/XL
- **COMPATIBLE** – With Chill-Its 6250 Phase Change Cooling Vest Packs

SKU# 12133 - S/M / 12135 - L/XL / 12120 - 6250 / CHARGE PACKS SKU# 12120





COOLING BAND



CHILL-ITS 6603 EVAPORATIVE COOLING BAND

Immediate and long-lasting cooling relief / Long lasting cooling effect for up to 4 hours / Quick recharge / super-evaporative PVA material / Machine washable

SKU# 12418

MULTI-BAND



CHILL-ITS 6486 FIRE RESISTANT MULTI-BAND

Nomex knit fabric is approved to NFPA 70E for protection against arc hazards / Multiple ways to wear / Protects against the elements / Low-profile / Quick drying / Comfortable / Machine washable

SKU# 42201

BANDANA



CHILL-ITS 6700 EVAPORATIVE COOLING BANDANA – TIE

Multiple ways to wear / Long lasting instant cooling relief / Hours of cooling / Easy to use / Durable / Low-profile / Comfortable / Reusable / Hand wash

SKU# 12301 - LIME / 12307 - BLUE / 12306 - NAVY W / 12305 - RED W / 12304 - CAMO

BANDANA



CHILL-ITS 6700CT EVAPORATIVE COOLING BANDANA WITH COOLING TOWEL – TIE

Hyper-evaporative PVA easily activates with water for up to four hours of cooling / Low-profile / Comfortable / 100% cotton / Tie closure / Workday to weekend / Machine wash

SKU# 12566 - LIME / 12567 - BLUE

BANDANA



CHILL-ITS 6710 EVAPORATIVE COOLING TRIANGLE HAT

Instant cooling relief / Drip-free cooling / Long-lasting / Reusable easy to re-activate / Low-profile / Reduces the effects of heat stress / Machine washable

SKU# 12327

MULTI-BAND



CHILL-ITS 6487 COOLING MULTI-BAND

Instant cooling relief / Sun protection / Fits most hard hats / Low-profile / Long and wide neck shade / Comfortable / 100% polyester / Reusable / Machine washable

SKU# 42127- HI VIS LIME / 42128 - HI VIS ORANGE / 42129 - BLUE

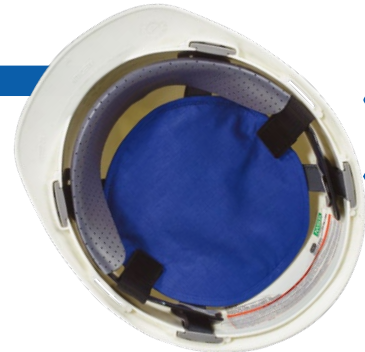
HARD HAT LINER



CHILL-ITS 6716 EVAPORATIVE COOLING HARD HAT LINER

Lightweight / cooling acrylic polymers / Hook & loop closures
Easily attaches to hard hat / Easy activation / Low Profile /
Reactivate by re-soaking / Works for for up to 4 hours
SKU# 12338

HARD HAT LINER



CHILL-ITS 6715 EVAPORATIVE COOLING HARD HAT COOLING PAD

Lightweight / cooling acrylic polymers / Hook & loop closures
Easily attaches to hard hat / Easy activation / Low Profile /
Reactivate by re-soaking / Works for for up to 4 hours
SKU# 12337

HARD HAT LINER



CHILL-ITS 6609 HARD HAT SWEATBAND LINER - TERRY CLOTH

Absorbent 100% cotton terry cloth / Prevents sweat from dripping
into eyes / Fits most hard hats / Easily and securely attaches to hard
hat / Low-profile / Quick drying / Comfortable / Machine washable
SKU# 42201

SKULL CAP



CHILL-ITS 6632 COOLING SKULL CAP

Performance knit fabric / Instant cooling relief / Low-profile / Snug
and comfortable fit / Moisture-wicking / Sun protection UPF 50+ /
Anti-odor treatment / Reflective accent / Machine washable
SKU# 12689

HAT SHADE



CHILL-ITS 6660 HARD HAT BRIM WITH SHADE

Sun protection / Lightweight / Universal fit / Wide brim / Long
neck shade / Durable brim / High visibility / Reusable and hand
washable
SKU# 12640 - LIME / 12641 - ORANGE / 12643 - NAVY

COOLING / HAT SHADE



CHILL-ITS 6670CT EVAPORATIVE COOLING HARD HAT NECK SHADE

Multiple ways to wear / Low-profile / Hours of cooling / Moisture-
wicking / UPF 50+ sun protection / Reflective accents / Anti-odor
treatment / Machine washable
SKU# 12523



KEEPING WORKERS SAFE & PRODUCTIVE IN THE HEAT

VEST

6685 Premium Dry Evaporative Cooling Vest

The **Chill-Its 6685 Dry Evaporative Cooling Vest** offers immediate dry cooling relief. The dry evaporative technology keeps the wearer completely dry and comfortable as opposed to other cooling vests on the market that require soaking. Constructed with high-visibility industrial grade quality nylon to perform in the toughest conditions. Not to be worn underneath thick or heavy layers of clothing, this body cooling vest needs airflow in order to activate and for the evaporation process to take place. This evaporative cooling vest is perfect for anyone in need of instant cooling relief while working in warm temperatures.



SKU# 12673 - M / #12674 - L / #12675 - XL / #12676 - 2XL / #12677 - 3XL / #12678 - 4XL

- **DRY & COMFORTABLE** – Exclusive dry technology keeps wearer completely dry and comfortable
- **ANTI-MICROBIAL TREATMENT** – Cooling material is treated with an anti-microbial that prevents mold growth
- **WIDE VARIETY OF USES** – Reduces the effect of heat exhaustion and fights fatigue while working or playing in the summer outdoor heat
- **MACHINE WASHABLE** – Do not clean the inside
- **MULTIPLE-SIZES** – M, L, XL, 2XL, 3XL, 4XL



DRY & COMFORTABLE

Releases water through evaporation from inside out, keeping you cool

LONG LASTING EFFECT

Provides at least 1 full day of cooling (up to 3 in ideal conditions)

QUICK & EASY ACTIVATION

Fill vest with 400-450ml of water

LIGHTWEIGHT & DURABLE VENTILATED COMFORT

Industrial grade quality nylon and mesh side-panels



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DOWNLOAD THE COOLING PPE CATALOGUE



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