

# Technical Datasheet

## Venus H-6000 Series

Ventilated and Non-Ventilated - Full Peak



Helmet Shell Color	Venus H-6000 Series Shell (Item Code)	
	Ventilated	Non-Ventilated
	V-6010 Textile Ratchet	V-6010 Textile Ratchet
White	Item # 110890501	Item # 110889901
Yellow	Item # 110890401	Item # 110889801
Blue	Item # 110890301	Item # 110889701
Green	Item # 110890201	Item # 110889601
Orange	Item # 110890101	Item # 110889501
Red	Item # 110890001	Item # 110889401
N.Blue	Item # 110865801	Item # 110866201
Black	Item # 110865901	Item # 110866301
Brown	Item # 110866001	Item # 110866401
Grey	Item # 110866101	Item # 110866501



### Technical Specification:

Certified with ANSI Type I Class E Z89.1-2014 (R2019) and IS 2925 for assured performance and reliability

- **Shell Material:** High-Density Polyethylene (HDPE)
- **Design:** Sleek and attractive for modern aesthetics.
- **Certification:** Type I Certified
  - Provides reliable protection against falling objects and debris.
  - Protection against electrical hazards up to 20,000 volts (Class E Non vent Only).
- **Suspension System:**
  - **4-Point Textile Suspension:** Distributes impact forces evenly for increased comfort and safety.
  - **“Fit-Lock” Ratchet Adjustment:** Provides precise fit adjustments to ensure secure and comfortable wear.
- **Peak:** Optimum peak design for added sun protection and visibility.
- **Brim:** Full brim for additional protection from environmental elements (e.g., sun, rain, debris).
- **Shell Features:**
  - **Rain Trough:** Integrated rain trough directs water away from the face, improving comfort in wet conditions.
  - **Material:** High-Density Polyethylene (HDPE) for durability, strength, and lightweight wear.
  - **Sun Protection:** Added protection for ears and neck from harmful UV rays.
- **Accessory Compatibility:**
  - **Accessory Slots:** For easy attachment of additional gear like face shields, ear muffs, and lights.
  - **Chin Strap Attachments:** Provides secure fit and additional head protection.
  - **Large Printing Surfaces:** Available on the front, sides, and back of the helmet for easy customization with logos or branding.

## FEATURES AND BENEFITS

- 1. Electrical Hazard Protection (Class E):**
  - The helmet offers protection against electrical hazards up to 20,000 volts (Class E Nonvent Only), making it ideal for work environments with electrical risks.
- 2. Sleek & Durable HDPE Shell:**
  - Made from **high-density polyethylene (HDPE)**, the helmet provides excellent impact resistance while remaining lightweight and comfortable for extended wear.
  - Its **sleek design** offers a modern look while ensuring superior performance and durability.
- 3. Comfortable “Fit-Lock” Ratchet Suspension:**
  - **“Fit-Lock” ratchet adjustment** system allows for easy and precise fitting, ensuring a secure and comfortable fit for a wide range of head shapes and sizes.
- 4. Full Brim & Optimum Peak Design:**
  - The **full brim** provides extended sun protection, guarding against UV rays and environmental elements.
  - The **optimum peak** design enhances visibility and shields the face from direct sunlight, rain, or falling debris.
- 5. Sun Protection for Ears & Neck:**
  - The full brim and peak of the helmet provide added protection to the ears and neck from harmful UV rays, which is particularly beneficial for outdoor workers.
- 6. Accessory Compatibility:**
  - The helmet comes with accessory slots for easy attachment of face shields, ear protection, or other safety accessories, enabling a fully customizable safety solution.
  - Chin strap attachments keep the helmet securely in place, even in windy or high-mobility environments.
- 7. Rain Trough:**
  - Integrated **rain trough** helps direct rainwater away from the wearer’s face, improving comfort in rainy conditions.
- 8. Large Branding Areas:**
  - Ample space for custom logos or company branding on the **front, sides, and back** of the helmet, ideal for corporate or safety gear personalization.
- 9. 4-Point Textile Suspension:**
  - The **4-point textile suspension** system ensures an even distribution of impact forces, offering better comfort and additional protection against head injuries.
- 10. Protection from Falling Materials & Debris:**
  - The **helmet’s** design is engineered to protect against falling materials and debris, making it suitable for high-risk environments like construction sites, industrial settings, or electrical work zones.

### User Instructions:

- 1. Before Use:**
  - Inspect the helmet for any damage, such as cracks, broken straps, or defects in the suspension system.
  - Ensure that the shell is intact and free from any signs of wear that could compromise safety.
  - Confirm the adjustment system (ratchet or pin lock) is functioning correctly.
- 2. Fitting:**
  - Adjust the **Sure-Lock Ratchet Suspension** by rotating the knob to achieve a secure fit. The helmet should sit comfortably on the head, not too tight but snug enough to stay in place.

- Use the **4-point textile suspension** to ensure the helmet is evenly distributed for maximum comfort and protection.
  - Adjust the **chin strap** for added security, ensuring it is snug but not too tight to restrict movement.
3. **During Use:**
- Wear the helmet whenever working in environments where head protection is required.
  - Ensure that the peak is positioned correctly for optimal visibility and protection.
  - Avoid removing the helmet unless it is safe to do so or during breaks in areas where there are no hazards.
  - In rainy or wet conditions, the integrated rain trough will help direct water away from the face, but avoid prolonged exposure to heavy rain without proper coverage.
4. **Maintenance:**
- Regularly clean the helmet with a damp cloth and mild soap. Do not use harsh chemicals, as this may damage the shell material.
  - Check for any damage to the suspension system, shell, or accessories. Replace any damaged parts immediately to ensure continued safety.
  - If the helmet has been subjected to a heavy impact or is showing signs of damage, replace it to maintain protective performance.
5. **Storage:**
- Store the helmet in a cool, dry place away from direct sunlight, heat sources, or harsh chemicals that could degrade the materials.
  - Keep the helmet in a protective cover to prevent damage to the shell and suspension system.
  - Replace the safety helmet if they become cracked, or lose their protective qualities.

### **Applications:**

- **Agriculture:** Pesticide & Insecticide spraying
- **Battery:** Lead handling
- **Cement & Ceramics:** Crushing, Bagging, Cement handling, Material mixing
- **Chemical:** Bulk drugs, Blending operation & Utility process
- **Construction:** Chipping, grinding, masonry work, riveting and sanding & Demolition work
- **Engineering:** Sand blasting, Powder coating, buffing, Cutting
- **Mining:** Drilling, Material handling
- **Pharmaceuticals:** Bulk drugs, Material charging
- **Tyre:** Carbon black
- **Misc.:** Chipping, Grinding, Masonry work, Riveting, Cutting & Sanding