

# Technical Datasheet

## Venus E-101

Protective Spectacle

**Venus E-101** Item # 110119301  
Clear Hard Coated – Sliding Temple

**Venus E-101** Item # 110119201  
Clear Hard Coated



### Technical Specification:

Certified with ANSI Z87.1 and IS 8521-1 for assured performance and reliability.

- **Design Style:**
  - **Frameless:** Offers a modern, lightweight frame for a wide, unobstructed field of vision.
  - **Wrap-around Design:** Provides full coverage and enhanced protection from side impacts and environmental hazards.
  - **Side Shields:** Extra protection for peripheral vision, safeguarding the eyes from wind, dust, and debris.
  - **Adjustable Temple:** Sliding temple arms for a customizable fit that suits all face profiles.
- **Lens:**
  - **Material:** Virgin Polycarbonate (optical grade).
  - **Coating:** Hard-coated for abrasion resistance, ensuring durability.
  - **Visibility:** Designed for clear, distortion-free vision.
  - **Impact Resistance:** High-impact resistant lenses to safeguard against flying debris and accidental impacts.
  - **UV Protection:** Offers 99%+ protection against harmful ultraviolet rays, preventing eye strain and long-term damage.
- **Temple:**
  - **Material:** Nylon for flexibility and durability.
  - **Design:** Flexible side arms to accommodate different head sizes, ensuring a comfortable and secure fit.
- **Nose Bridge:**
  - **Design:** Integrated, one-piece nose bridge with no loose parts, ensuring stability and

### FEATURES AND BENEFITS

1. **Frameless Design:**
  - **Benefit:** Maximizes peripheral vision, enhancing the user's ability to spot hazards from all angles while maintaining a sleek, modern look.
2. **Wide Field of Vision:**
  - **Benefit:** The wrap-around design and frameless structure provide an expansive field of vision, reducing the risk of blind spots and enhancing overall safety.
3. **Adjustable Sliding Temples:**
  - **Benefit:** The sliding temple arms allow for a customized fit, making the spectacle suitable for all face profiles and improving comfort during extended wear.
4. **Side Shields for Extra Protection:**

- **Benefit:** The side shields provide added protection against environmental elements like dust, debris, and wind, while also enhancing peripheral vision.
- 5. **High Comfort Nylon Temples:**
  - **Benefit:** The nylon temples provide flexibility and comfort, ensuring a snug fit that won't slip or cause discomfort during prolonged use.
- 6. **Hard-Coated, Abrasion-Resistant Lenses:**
  - **Benefit:** The hard-coated lens is resistant to scratches and wear, maintaining clear visibility even in challenging conditions.
- 7. **High Impact Resistance & UV Protection:**
  - **Benefit:** The lenses are designed to withstand high-impact forces and protect your eyes from harmful UV rays, ensuring both safety and long-term eye health.

### **User Instructions:**

- **Wearing Instructions:**
  - Place the safety spectacles over your eyes.
  - Adjust the temples to ensure a comfortable, snug fit without discomfort. Ensure the spectacle is sitting properly on your nose and ears for stable support.
- **Maintenance & Cleaning:**
  - Clean the lenses using a soft cloth to avoid scratching. Do not use abrasive materials.
  - To remove any fog, gently wipe the lens with a lens cleaner or anti-fog solution.
  - If the spectacles get dirty, wash with warm water and mild soap. Dry with a lint-free cloth.
- **Storage:**
  - Store your safety spectacles in the provided case when not in use to prevent scratches and damage.
  - Keep them in a dry, cool place, avoiding exposure to extreme temperatures or chemicals that could damage the materials.
- **Inspection:**
  - Regularly inspect the lens for any signs of damage, cracks, or wear. Replace the spectacles if damaged to maintain safety standards.

### **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