



## 3M™ Virtua™ Max, Anti-Fog

**Part Number: 3M-11510**

3M™ Virtua™ Max Protective Eyewear, Anti-Fog Lens

Virtua Max protective eyewear (11510) featuring a clear frame with anti-fog lens

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Frame Style/Type	Frameless
Lens Coating	Anti-Fog
Lens Colour	Clear
Product Type	Safety Glasses
Protection Type	Eyewear
Size	Standard
Temple Colour	Clear

### Product Description

The Virtua protective eyewear line merges outstanding unisex style, protection and affordability, all while offering wearers an open, unobstructed viewing range to fit a variety of facial profiles. Designed for indoor or outdoor use, Virtua protective eyewear is a valuable and safe choice.

### Product Advantages

- Unisex styling
- Task-specific lens tint
- Comfortable, lightweight frame - weight less than 1 oz
- High-wrap lenses fit snug against the face for a better viewing area
- Polycarbonate lenses absorb 99.9% UV rays
- Meets the High Impact Requirements of CSA Z94.3-2007
- Meets the High Impact Requirements of ANSI Z87.1-2010

## Technical Documents

3M Occupational Health & Environmental Safety Division

### Summary

This new edition, ANSI/ISEA Z87.1-2010, replaces the Z87.1-2003 standard. As of the date of this summary, the Occupational Safety and Health Administration (OSHA) has not incorporated the 2010 standard into the eye and face protection regulation (29 CFR 1910.133).

The key changes to the eye and face protection standard include:

1) **A focus on the hazard**, rather than on the protector type, to encourage safety personnel and users to identify and evaluate specific hazards in their workplace such as Impact, Optical Radiation, Splash, Dust, and Fine Dust Particles. Therefore, under the revised standard, selection of the appropriate eye and face protective devices should be based on the hazard.

### 2) New criteria for compliance:

#### Impact ratings:

The 2003 version described two levels of protection: "Basic" & "High" impact protection. The 2010 revision describes devices to be either "Non Impact Rated" (complying to the impact requirements under "General Requirements") or "Impact Rated" (complying to more stringent requirements within the revision).

#### New headform for product testing:

The 2003 version used the "Anderson" head form. The 2010 revision adopts the European (CE) small & medium headform sizes for testing to harmonize with existing international test methods.

#### New test for splash/droplet, dust and fine dust:

The 2003 version had no defined performance criteria for splash/droplet, dust or fine dust. The 2010 revision has specific performance and marking requirements for devices claiming to provide protection from splash/droplet, dust or fine dust hazards.

### Protection all the way

At 3M, we believe that health and safety is the priority in any working environment, and that greater comfort and modern styles improve worker compliance. Therefore, we take care in adding comfort features where they are needed most, such as heavy contact areas like nose bridges and temple tips. The materials we choose to provide better comfort are designed to be durable to last and soft to the touch. We are also continually working on new coatings, new materials and new designs to bring the latest technology, innovation and fashion into our protective eyewear line.

For an official copy of the newly revised ANSI/ISEA Z87.1-2010 Standard go to:

<http://www.safteyequipment.org/c/istd2871-2010.cfm>



### ANSI Z87.1-2010 has been approved.

The American National Standards Institute (ANSI) on April 13, 2010, approved a new edition of ANSI/ISEA Z87.1 titled "American National Standard Practice for Occupational and Educational Personal Eye and Face Protective Devices," replacing the Z87.1-2003 version.

This summary of the revision of this eye and face protection standard focuses on the key changes to the standard; it does not represent any official or legal interpretation of the standard or even serve as a complete summary of the revision. If questions occur, the revised standard itself should be reviewed and relied on, rather than this summary. For an official copy of the newly revised ANSI/ISEA Z87.1-2010 Standard go to:

<http://www.safteyequipment.org/c/istd2871-2010.cfm>

### ANSI Z87.1-2010 Standard Update for Non-Prescription Eye and Face Protective Devices\*

\* Safety prescription spectacle protective devices may have different requirements in some cases.



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