



ANSI Z87.1-2020 OVERVIEW

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ANSI/ISEA has released Z87.1-2020, available for purchase from the ANSI web store by clicking on the link below: <https://webstore.ansi.org/Standards/ISEA/ANSIISEAZ872020>

ANSI/ISEA Z87.1-2020 continues its focus on product performance and harmonizing with international standards while keeping the needs of the end user in mind with consideration to workplace hazards and regulatory obligations.

This standard focuses on specific hazard protection with additional emphasis placed on enabling users to select the appropriate protector based on their environment and the hazard.

ANSI/ISEA offers a free [Eye and Face selection Tool](#) that assists safety managers in determining the proper PPE for a specific task.

- OSHA adopts ANSI standards, thus making them regulatory requirements
- OSHA currently has adopted three versions of ANSI Z87.1 as compliant with regulatory requirements: Z87.1-2003, Z87.1-1989 (R- 1998) and Z87.1-2010
- Although OSHA has yet to adopt Z87.1-2015 and we have now released the Z87.1-2020, they do state the following;
 - *Protective eye and face protection devices that the employer demonstrates are at least as effective as protective eye and face protection devices that are constructed in accordance with one of the above consensus standards will be deemed to be in compliance with the requirements of this section.*

CHANGES OF NOTE FOR THIS CURRENT REVISION

- Introduction of optional relaxed optics was introduced. This recognizes that certain jobs/tasks such as first responders, fire fighting and military may not require the strict criteria of the historical optical standards.
- Introduction of performance testing and marking criteria for lenses with anti-fog properties
- Clarification for transmittance for non-lens components
- Changes in transmittance allowance
- Expanded welding filter shades
- Clarity in applying dark-state tolerances

Please note that an erratum was issued addressing two items that were overlooked in the final version. A free copy of the erratum is available on the [ISEA website](#).

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