



DOC. NO.	REVISION	ISSUE	DATE
QF/RD/05	05	01	15-12-22

CHEMICAL ENVIRONMENT USER'S CHOICE ES 008 (CLEAR)



CERTIFIED TO EN 166:2001 AND ANSI Z87.1-2010

1	GENERAL PARAMETERS	DESIGN	<ul style="list-style-type: none"> Comes with soft and wide PVC casing around the rim to ensure 100% sealing of the eyes against chemical and liquid splashes. Provided with Indirect ventilation slits on both the top and the bottom parts of the rim to allow for air circulation. Equipped with fully adjustable elastic headband for snug fit. Comes with unique wraparound design.
		APPLICATION	Areas exposed to chemical and liquid splashes.
		LENS COLOUR OPTIONS	Clear
		MECHANICAL HAZARD PROTECTION	Frontal, Impact Resistance
		OPTICAL HAZARD PROTECTION	99.9% UV Protection
		MATERIAL	Lens – Class 1 Polycarbonate Shroud – PVC
		OPTICAL CLASS	Class I
		LENS SCALE FOR CLEAR LENS	K 1 BT 9 0 CE
		COATINGS	Hard coated for Scratch resistance; Anti-fog coated
		WEIGHT	105 gms approx.

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VITAL TEST COMPLIANCE

MECHANICAL HAZARD PROTECTION	<p>Resistance to medium impact energy of high-speed particles at extremes of temperature: Withstands the impact of a 6mm nominal diameter steel ball, weighing 0.86 gm at a speed of 120 m/s. The impacts are carried out after conditioning the eyewear to temperatures of $(55 \pm 2) ^\circ\text{C}$ and $(-5 \pm 2) ^\circ\text{C}$. Also withstands the impact of a 22mm nominal diameter, weighing 44gm. When dropped from a height of 1.27 – 1.31 mtrs. It provides the protection against molten metals and hot solids. Shroud provides the protection against droplets and splashes of liquids. Shroud provides the protection against large dust particles</p>
HIGH MASS IMPACT	<p>As per ANSI Z87.1 Standard a 500g projectile made of steel and shall have a 30° conical tip with a 3.18 mm spherical radius and have a diameter of 25 mm is dropped over the head-form, tip down, at the designated test height of 127 cm.</p>
INCREASED ROBUSTNESS	<p>As per EN166 standard steel ball when dropped from a height of 1.27 – 1.31 mtrs. Withstands the impact of 22 mm nominal diameter, weighing 44gm.</p>
PENETRATION TEST	<p>As per ANSI Z87.1 standard, A pointed projectile 44.2g shall be freely dropped through the guide tube, point downward within a 20 mm circle centered in front of each eye of the headform, two on the left viewing area and two on the right viewing area.</p>
OPTICAL HAZARD PROTECTION	<p>99.9% UV Protection: Transmittance (280-380 nm) < 0.1%</p>
FLAME RESISTANCE TEST	<p>Spectacle did not ignite when tested as per CE and ANSI Standards.</p>
RESISTANCE TO FOGGING	<p>It remains free from fogging for a minimum of 08 seconds when tested as per standards.</p>
OPTICAL POWER	<p>Zero Power Lens: Spherical Refractive Power within ± 0.06 Diopter Astigmatic Refractive Power within 0.06 Diopter</p>
CORROSION RESISTANCE	<p>No corrosion observed on metal parts of Spectacle when tested as per CE and ANSI Standards</p>