

- Suitable face and eye protection shall be worn by employees to protect face/eyes against any flying particles / splash of chemical / hot solutions.
- Impact resistant safety glasses with side shields / safety goggles/full face shield suitable for grinding, buffing, chipping operations shall be provide and used.
- Welding masks with appropriate filter glasses shall be used when performing welding operations.
- For those with eye defects prescribed lenses of toughed material should be used.
- In addition, eye wash fountain shall be readily available at the site. In remote locations, eye wash bottles may be substituted.

9.3.3 Respiratory Protection

- Face masks shall conform to EN 149.
- The masks shall be appropriate to the particle sizes identified in the Risk Assessment.
- Facial hair can compromise the effectiveness of respiratory protection by preventing a good seal between the mask and face.
- Dust mask /respirators shall be worn to protect against dust particles.
- Chemical cartridge type respiration shall be worn when painting or spraying solvent or chemicals.
- When there is potential for the presence of toxic gas/vapor or oxygen deficient atmosphere, the self-contained breathing apparatus (SCBA) should be used.
- Only authorized /qualified personnel will issue Respiratory Protective Equipment.
- Only persons trained /certified on the usage of self-contained breathing apparatus shall be engaged in their use and the work should be done under direct supervision. The basic tests to ensure proper fitting of facemasks shall be done before each operation.
- Proper selection and use of respiratory protection equipment should be ensured by taking into consideration hazardous operation, contaminant, time, protection from the particular equipment, limitations, and state of health of individual, etc.
- When working with asbestos, staff shall be provided with respiratory equipment approved for use with asbestos that does not allow penetration or retain dust and be a close fit with a head cover.
- When engaged in grit blasting, the use of an air supplied hood is essential if blasting in direct contact with the dust / grit.

9.3.4 Hearing Protection

- Persons working in areas with excessive noise above 90 DBA shall wear earmuffs/ear plugs.
- High noise level areas should be identified and appropriate notice 'WEAR EAR PROTECTION', should be exhibited to warn employees. Exposure to high noise levels will result in noise induced hearing loss.
- Plain cotton plugs do not give adequate protection.

9.3.5 Body Protection

- High visibility garments shall comply with EN 471 Class 3.
- For works on highways, upper body garments shall have full length sleeves.
- Wear proper protective clothing/coverall. Loose or baggy clothing is not permitted in work areas.
- To protect against splash of any chemical or corrosive substance, a PVC apron shall be worn.
- Leather aprons should be worn by welders and others where there is potential hazard of hot metal/sparks.