
 حكومة دبي GOVERNMENT OF DUBAI	<b>Organization Unit</b>	<b>Public Health &amp; Safety Department</b>	الوحدة التنظيمية:
	<b>Form sheet title:</b>	<b>Guidelines for Personal Protective Equipment – Head Protection</b>	اسم النموذج :
	<b>Doc Ref.</b>	<b>DM-PH&amp;SD-P4-TG08</b>	رقم النموذج :





## Personal Protective Equipment Head Protection

**Background:** The head is very susceptible to disabling injury from any impact. Such injuries are potentially extremely dangerous and health problems often persist over a long time. Objects such as hand tools, suspended loads, etc. falling from a height or chemical splash from fractured or leaking overhead pipes are common problems. Though safe work practices will reduce the hazards, the worker still requires personal protection as a last line of defense. Proper selection, use and maintenance of personal protective equipment to provide head protection should be considered by taking into account the risk involved. Every employer shall provide and the employee shall use the safety helmets required for the job. Safety helmets required for the job. Safety helmets shall conform to International Standards.

Dubai Occupational Health and Safety Regulations Local Order 61 of 1991 require the employer to provide necessary personal protective equipment.

### Guidelines:

1. Safety helmets shall give the wearer protection against impact and penetration damage and shall be designed so that they will not fracture when struck nor transfer the force of the blow to the worker's skull immediately below the point of impact.
2. A safety helmet is required to be used on construction sites, in excavation work, mine, quarry, overhead crane operation, electrical operation, boiler/furnace operation, low structure/pipes/beam work areas, plant where there is exposure to chemicals, solvents or any other operational areas where there is risk of head injury.
3. The above areas shall be identified as “**Safety Helmet**” area and notices shall be displayed.
4. A hard shell shall have:
  - i. Smoothly finished outer surface
  - ii. A cradle or suspension which encircles the head with adjustment facility to a variety of sizes. The cradle or suspension clearance of 1 1/4 inches to the shell shall be maintained.
  - iii. A head band which contacts the workers' head.

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- iv. A chin strap of plastic, leather or elastic material.
- v. A provision for attachment of visor/faceshield, ear muff, chin strap.
5. Safety helmets having a hard shell of metal and other conductive fittings shall not be used in places where contact with electricity is likely to be present.
6. Head protective devices must be compatible with eye, face, ear and respiratory personal protective equipment.
7. Persons with long hair shall wear hair nets and protective caps to protect their hair coming into contact with moving parts of machinery or being lifted into moving belts or rolls that develop heavy charges of electricity.
8. Helmets shall be inspected for cracks, signs of impact or rough treatment and wear that might reduce the degree of safety provided. Prolonged exposure to ultra-violet rays (sunlight) and chemicals can shorten the life expectancy of thermoplastic helmets. As a guideline it is recommended that helmets with continuous exposure to ultra-violet rays or sunlight for more than 3 years should be replaced.
9. Table (1) should be used as a guide in the selection of safety helmets for certain operations.
10. Further References:  
American National Standard ANSI Z 89.1; Z 89.2.  
British Standard Specification BS - 5240

**FURTHER INFORMATION IS AVAILABLE FROM  
PUBLIC HEALTH AND SAFETY DEPARTMENT  
Tel: 2064244/ FAX: 2270160**



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TABLE 1	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>m</i>	<i>n</i>	<i>o</i>	<i>p</i>	<i>q</i>	<i>r</i>	<i>s</i>	<i>t</i>	<i>u</i>	
<b>SAFETY HELMETS</b>																						
* = SUITABLE																						
Suitable for -																						
Boiler/furnace operations				*																		
Cleaning - high pressure water jets		*	*	*																		
Construction work, general		*																				
Crane operations		*	*																			
Production operations		*	*	*																		
Electrical work		*		*																		
Filling gantries - chemical		*		*																		
Fire-fighting		*			*																	
Gaseous atmospheres -confined spaces		*		*																		
General purposes		*	*	*																		
Heavy manual work		*		*																		
Radiation heat				*																		
Tank/vessel cleaning																						
- chemical				*																		
- leaded gasoline				*																		
- crude/other products				*																		

<i>a.</i>	<i>Non- metallic, peak type</i>	<i>b.</i>	<i>Metallic, peak type</i>
<i>c.</i>	<i>Non-Metallic (fibre glass) peak</i>	<i>d.</i>	<i>Fire helmet (cork)</i>
<i>e.</i>		<i>f.</i>	
<i>g.</i>		<i>h.</i>	
<i>i.</i>		<i>j.</i>	
<i>k.</i>		<i>l.</i>	
<i>m.</i>		<i>n.</i>	
<i>o.</i>		<i>p.</i>	
<i>q.</i>		<i>r.</i>	
<i>s.</i>		<i>t.</i>	
<i>u.</i>		<i>v.</i>	