

Table 4.2: Types and Selection of Fire Extinguishers

ITEMS	REQUIREMENTS
4. DRY POWDER TYPE	<p>1. DRY POWDER (MULTI PURPOSE)</p> <ul style="list-style-type: none"> i. Fire extinguishers of this type contain an ammonium phosphate base agent. Hand fire extinguishers are available with fire extinguishment ratings of 1-A to 20-A and 10-B:C to 120-B:C and wheeled models with fire extinguishment ratings of 20-A to 40-A and 60-B:C to 320-B:C. ii. Multipurpose agents are used in exactly the same manner as ordinary dry chemical agents on Class B fires. For use on Class A fires, the multipurpose agent has the additional characteristic of softening and sticking when in contact with hot surfaces. In this way, it can adhere to burning materials and form a coating that will smother and isolate the fuel from air. iii. When applying the agent, it is important to try to coat all burning areas in order to eliminate or minimize the number of small embers that could be a potential source of reignition. The agent itself has little cooling effect and, because of its surface coating characteristic, it cannot penetrate below the burning surface. For this reason, extinguishment of deep-seated fires could possibly not be accomplished unless the agent is discharged below the surface or the material is broken apart and spread out. iv. Fire extinguishers with a Class B rating can extinguish a fire involving combustible cooking media (vegetable or animal oils and fats). v. Only fire extinguishers having a Class K rating are recommended for use on cooking-grease fires. <p>2. APPLICATION</p> <ul style="list-style-type: none"> i. Class A fires., Wood, Paper, Textile, Garbage, Furniture, Residential Plastic, Interior décor. ii. Class B fires., Flammable Liquids. iii. Class C fires., Electric equipment, office equipment, computers, printing machines, copy machines. iv. Class D fires., Metal fires involving magnesium, titanium, zirconium, sodium, lithium, and potassium. <p>3. NOT SUITABLE FOR</p> <ul style="list-style-type: none"> i. Though it is multipurpose, Class rating should be strictly followed.



DRY POWDER EXTINGUISHER FOR ILLUSTRATION