

TYPES OF FIRE EXTINGUISHERS

Your choice of extinguisher for your particular fire risk is crucial in controlling a fire

Sl. No.	Type of Extinguisher	Class of Fire	Material involved in fire	Hazard Area	Extinguishing Methods	Warning
1	Water (H ₂ O) Type	A	Organic Solids, eg. Wood, Paper, Cloth, etc	Offices, Hospitals, Theaters, Banks, Restaurants, etc	Penetrates, cools. Even deep seated 'A' class fires	Do not use on live electrical equipments
2	Mechanical Foam (AFFF)	B	Inflammable liquids	Oil storage & depots, Manufacturing units of paints and inflammable liquids	A thick foam blanket over the burning liquid, cutting off oxygen supply	Do not use on live electrical equipments
3	Carbon Dioxide (CO ₂)	B,C	Inflammable liquids, gases & electrical appliances	Motor pump rooms, Laboratories, Museums and process control areas	Aim at the base of fire from close range. CO ₂ being heavier settles below & cuts off oxygen supply.	CO ₂ can cause asphyxiation in a confined space. Ventilate area after extinguishing fire
4	Dry Chemical Powder (DCP)	B,C	Inflammable liquids & gases	Storage areas of LPG, Acetylene, Petrol, Industrial solvents, equipment.	Chemically interferes with the combustion chain	Do not use in a very confined spaces as cloud of powder reduces visibility
5	ABC Power (Pressure type)	A,B,C	Organic Solids, Inflammable liquids and gases	Open storage generator rooms, heat treatment shops, etc.	Chemically interferes with the combustion chain	Do not use in a very confined spaces as cloud of powder reduces visibility

Practice FIRE SAFETY & PROTECT your Community



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GENERAL FIRE SAFETY & PROTECTION TIPS

- ⚠️ Ensure that all your family members know what to do in the event of a fire. Draw a floor plan with all the escape routes. The plan should include important details like stairs, hallways and windows that can be used as fire escape routes.
- ⚠️ Test windows and doors to ensure that they open easily. Make sure you have a safe fire escape method for all situations.
- ⚠️ Select a safe meeting place outside the house for your family members to assemble in case of emergency.
- ⚠️ Practice alerting other members in your family. Always keep a bell and flashlight in each bedroom.
- ⚠️ Always sleep with the bedroom doors closed. This will keep deadly heat and smoke out of bedrooms, giving you additional time to escape.
- ⚠️ Find a way for everyone to sound a family alarm like yelling, pounding on walls, whistling, etc. Practice yelling "**FIRE, FIRE, FIRE!**"
- ⚠️ In a fire, time is critical. Don't waste time getting dressed. Don't search for pets or valuables. Just get out.

BE PREPARED - PLAN AHEAD

- ⚠️ Prepare an Escape Plan for your Home, School, Institution or Office.
- ⚠️ Practice evacuating the building blindfolded regularly. In a real fire situation, it is most likely that the amount of smoke generated by a fire would make it difficult to see.
- ⚠️ Practice staying low to the ground when escaping. Always Stay Low during a fire disaster as one breath of smoke or gases may be enough to kill.
- ⚠️ Feel all doors by the back of your hand before opening them. If a door is hot, get out another way.
- ⚠️ Practice **STOP, DROP** and **ROLL** method, to douse of the fire caught on clothes.
- ⚠️ Ensure appropriate Fire Extinguishers are placed at all the strategic locations and are in working conditions.

ADDITIONAL TIPS FOR FIRE SAFETY

- ⚠️ Install Smoke detectors to detect both smoldering and burning fires. Check smoke detectors once a month and change the batteries at least once a year. Smoke detectors sense abnormal amounts of smoke or invisible combustion gases in the air.
- ⚠️ After a fire emergency, give first aid where appropriate. Seriously injured victims should be transported to professional medical help immediately.
- ⚠️ Always stay out of the damaged building. Return only when fire authorities say it is safe.
- ⚠️ Keep portable and space heaters at least 3 feet from anything that may burn. Never leave heaters ON when you leave home or go to sleep. Children and pets should always be kept away from them.
- ⚠️ Never smoke in bed or when you are sleepy. Carelessly discarded cigarettes are a leading cause of fire deaths in the world.
- ⚠️ Keep cooking areas clear of combustibles and wear short or tight-fitting sleeves when you cook. Keep the handles of your pots turned inward so they do not over-hang the stove. If grease catches fire, carefully slide a lid over the pan and smother the flames, then turn OFF the burner.
- ⚠️ In the hands of a child, matches and lighters can be deadly! Store them where kids can't reach them, preferably in a locked area. Teach children that matches and lighters are 'tools' and should only be used by adults.
- ⚠️ If an appliance smokes or has an unusual smell, unplug it immediately and have it repaired. Replace frayed or cracked electrical cords and don't overload extension cords. They should not be run under rugs. Never tamper with the fuse box or use the improper size fuse.
- ⚠️ If some one gets burned, immediately place the wound under cool water for 10 to 15 minutes. If the burn blisters or chars, consult a doctor immediately.
- ⚠️ If you have halogen lights, make sure they are away from flammable drapes and low ceiling areas. Never leave them ON when you leave your home or office.