



Hot Work Safety Precaution

HOT WORK FIRE SAFETY

WHAT IS IT?

Hot work is any process involving flame, spark, or heat production. Typically, this includes: cutting and burning, welding, soldering, heat treating, grinding or chipping, drilling or tapping, and torch-applied roofing.

NFPA 51B covers hot work safety. Take a look: www.nfpa.org/51B

WHO NEEDS TO KNOW?

Construction Contractors



Iron Workers



Welders



Utility Workers



Sheet-Metal Workers



Electrical Workers



Plumbers



Roofers



Pipe-Fitters



AHJ's / Fire Service



WHY IS IT IMPORTANT?

4,630

Structure Fires Involve Hot Work Per Year

43%

Of Fires Occur In or On Homes



15 Civilian deaths are caused per year from these fires



198 Civilian injuries are caused per year from these fires

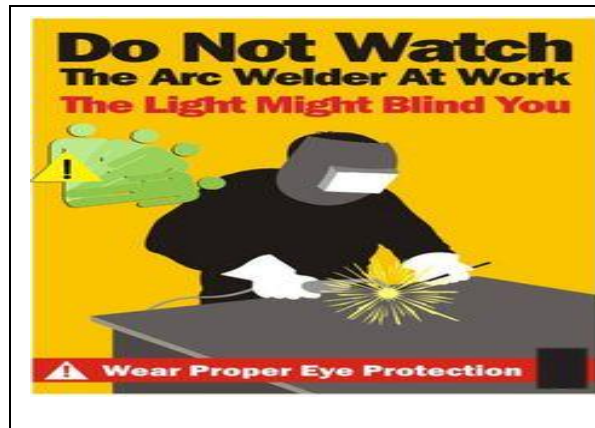


\$355M In direct property damage results from these fires per year.



■ Welding Torches (36%) ■ Cutting Torches (22%)
■ Soldering Equipment (17%) ■ Burners (11%)
■ Heat Treating Equipment (13%) ■ Other (1%)

	Home Fires	Non-Home Incidents
Peak Areas	Wall assemblies, Bathrooms, Kitchens	Exterior roof surfaces, Processing/manufacturing areas
First Ignited	Structural members, Insulation, Exterior Wall Coverings or finish	Flammable/combustible liquids, gases, and Exterior roof coverings or finish



WELDING SAFETY IN THE WORKPLACE



- Obtain any required "Hot Work" permits.
- Remove any flammable substances from the work area before starting a job.
- Use a combustible gas indicator or sensor to detect any air borne flammable gases.
- When working on a flammable flooring, such as wood, wet down or cover with a flame resistant shield.
- Cover flammables with a fire proof tarp when the objects cannot be removed.
- Smoke only in designated area.
- Keep your work area free from trash.
- Keep a fire extinguisher handy. Frequently check to make sure the extinguishers are charged and in operational condition.
- Always - PAY ATTENTION.

GRINDING SAFETY

- ✓ Trained person only can use grinder.
- ✓ Always wear safety glasses and a face shield during operation.
- ✓ Wear close-fitting gloves and a coat or heavy shirt for protection.
- ✓ Change damaged disk.
- ✓ Never remove guard.
- ✓ Replace grinder if damaged.

