



Hot Air and Induction Welding Safety Training (HAWT) and
Certified Roofing Torch Applicator Safety Training (CERTA)
brought to you by

Beacon Roofing Supply

&

Midwest Roofing Contractors Association



Welcome

CERTIFIED SAFE © – The Midwest Roofing Contractors Association's Authorized User Safety Training Program

Welcome to the CERTIFIED SAFE © authorized user level safety training program.

The CERTIFIED SAFE© program has been developed by the MRCA to address the needs of the Roofing Industry to train its workers in the hazards that they might face during the performance of their jobs.

In addition to the new Hot Air and Induction Welding Safety Training Program, the CERTIFIED SAFE © program includes the CERTA Roofing Torch Safety Training program and the SHARP Plus Safety program.



Authorized User Level Safety Training

CERTIFIED SAFE – The CERTA Roofing Torch and HAWT Hot Air And Induction Welding Safety Training Programs

OSHA defines the levels of training as follows:

- Awareness level training
- Authorized User level training
- Competent Man level training
- Qualified Person level training

Authorized User Level Safety Training

CERTIFIED SAFE – Hot Air And Induction Welding Safety Training Program

The MRCA's "Authorized User" safety training program means that your crews have been trained to a higher standard of training above the typical "awareness" level training most companies provide. Your crews will have received in depth information regarding the safe use of Electrical Generating Equipment, Hot Air Welding and Induction Welding equipment not found in any other program.

Upon completion of this program the Midwest Roofing Contractors Association will issue you a Certified Safe Hot Air and Induction Welding Safety Certificate.



The safety training in this program has its basis in
OSHA's Construction Standards

OSHA 29 CFR 1926

Safety and Health Regulations for Construction were established in 1970 under section 107 of the Contract Work Hours and Safety Standards Act, and provides the standards for construction safety



The General Duty Clause

While most safety requirements are set out in specific standards, the Occupational Safety and Health Act also has a “general” requirement in Section 5 that **all employers must provide their employees with a place of employment which is free of recognized hazards.....**

This is a “catch-all” standard that requires all employers to provide safe and sanitary working conditions for their employees, even when there is no specific standard to address a hazard.

29 CFR 1926.21 – The Training Standard

1926.21(b)(2) The employer shall instruct each employee in the recognition and avoidance of unsafe conditions and the regulations applicable to his work environment to control or eliminate any hazards or other exposure to illness or injury.

1926.21(b)(5) Employees required to handle or use flammable liquids, gases, or toxic materials shall be instructed



OSHA requires employers to provide a safe workplace.

This is a short summary of key employer responsibilities:

1. Provide a workplace free from serious recognized hazards and comply with standards, rules and regulations issued under the OSH Act.
2. Examine workplace conditions to make sure they conform to applicable OSHA standards.
3. Make sure employees have and use safe tools and equipment and properly maintain this equipment.
4. Establish or update operating procedures and communicate them so that employees follow safety and health requirements.
5. Employers must provide safety training in a language and vocabulary workers can understand.
6. Keep records of work-related injuries and illnesses.

A Note About Language (From an OSHA letter of Interpretation)

Many OSHA standards require that employees receive training so that work will be performed in a safe and healthful manner. Some of these standards require "training" or "instruction," others require "adequate" or "effective" training or instruction, and still others require training "in a manner" or "in language" that is understandable to employees. In practical terms, this means that an employer must instruct its employees using both a language and vocabulary that the employees can understand. For example, if an employee does not speak or comprehend English, instruction must be provided in a language the employee can understand. By the same token, if employees are not literate, telling them to read training materials will not satisfy the employer's training obligation.

All MRCA Certified Safe[®] Training is available in both English and Spanish Instructor Led Classes to satisfy this requirement





What is Hot Air and Induction Welding Safety Training?

This program provides the latest best practices and new industry requirements for the safe use of Hot Air and Induction Welding equipment and Electrical Power Generation equipment. The program included pre-job planning, Basic safety reviews for PPE, Fall and Fire Prevention and more detailed safety information regarding Electricity, Generators Hot Air Hand and Overlap Welders and post-job activities for both new and experienced installers.

ALL Class Participants must pass a written exam and successfully demonstrate hands-on skills that comply with industry best practices taught during this course. Upon successful completion of the program, the participants will receive a MRCA - HAWT Certification Card.

What is CERTA Roofing Torch Safety Training?

This program has been developed by the Midwest Roofing Contractors Association to provide the latest best practices and updated industry requirements for the safe use of roofing torches during the installation of asphalt-based roofing systems.

Like the HAWT program, CERTA training includes pre-job planning, basic safety reviews for PPE, propane and roofing torch equipment and more detailed safety information regarding Fire Prevention , Hazard Recognition and Hazard Controls and post-job activities for both new and experienced installers.

ALL Class Participants must pass a written exam and successfully demonstrate hands-on skills that comply with industry best practices taught during this course. Upon successful completion of the program, the participants will receive a MRCA - HAWT Certification Card.

The MRCA has included an improved daily inspection checklist to assist small and midsize contractors improve their OSHA documentation requirements for Equipment and Fall Prevention systems.

These include records of inspections of:

1. Walking Working Surfaces
2. Leading Edges
3. Penetrations
4. Hoist Areas
5. Ladders

Daily Inspection Requirements

Daily Inspection Checklist:



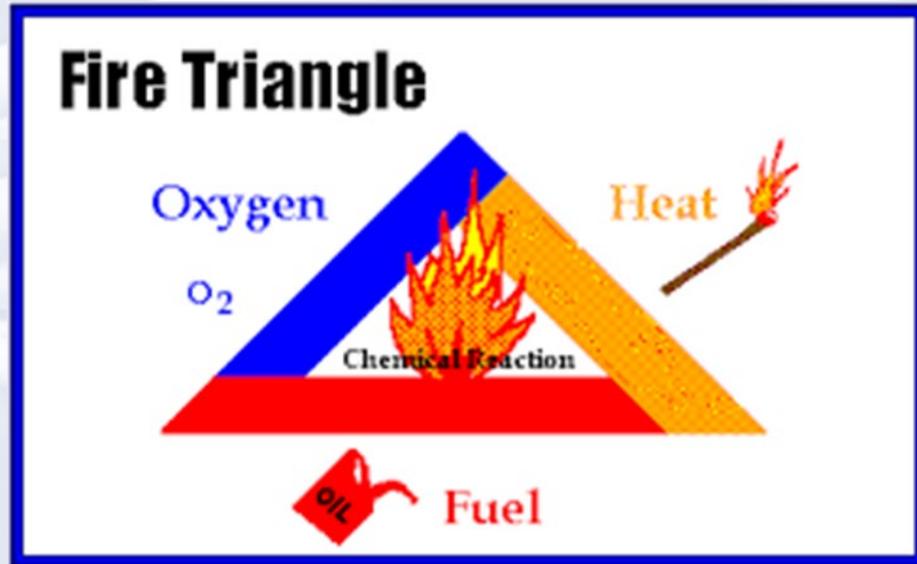
Project Contact Information			
Inspector:		Inspection Date:	
Project Name:		Building Owner's Name:	
Address:		Telephone Number:	
Fire Telephone Number:		Police Telephone Number:	
Emergency phone numbers	Posted locations:	Job-site no-smoking signs	Posted locations:
Project General Conditions			
Deck Type		Wall Type	
New Insulation		Insulation Attachment	
Membrane System		Membrane Attachment	
Equipment organization		Wind conditions	
Changed conditions since previous day			
Daily Pre-Start Safety Inspections			COMPLETED
Fall Prevention Systems	Walking Working Surfaces		YES
	Perimeters – Rail/Cable Systems		YES
	Perimeters – Warning Lines and Monitor		YES
	Perimeters – Personal Fall Arrest Systems		YES
	Holes/Skylights/Hatches		YES
	Ladders		YES
PPE Inspection – All Crew Members	Activity Required PPE (Long Pants/Shirts, Eyewear, Gloves)		YES
	Project Required (Hi-Vis clothing, Hard hat, Shoes, etc.)		YES
Fire Extinguishers			
Extinguishers 4A60BC or Larger	YES	Quantity	
Pins and Plastic seals in place	YES	Current Certification	YES
Fuel Storage Location relative to Generators			
Notes:			

**In each class the
MRCA teaches
Fire Basics**



Fire Basics

What is a Fire?



Fire is a Chemical Reaction

Fire is also known as the visible effect of the process of combustion – a special type of chemical reaction.

Fire occurs when oxygen in the air and some sort of fuel and heat are present ...

Oxygen, fuel and heat are needed for fire to occur. This is known as the fire triangle.

Combustion is when fuel reacts with oxygen to release heat energy

Fire Basics

Fire Watches

Hot Air and Induction Welding
Fire Watch Checklist

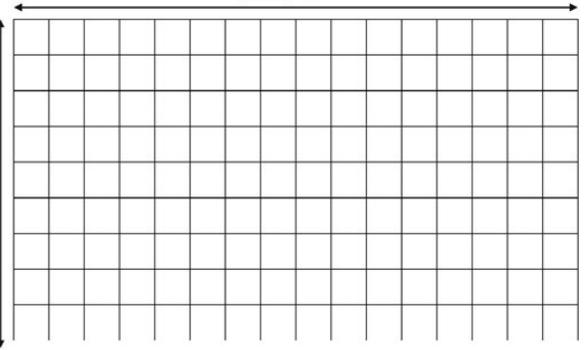


PROJECT CONTACT INFORMATION			
Inspector:		Inspection Date:	
Project Name:		Building Owner's Name:	
Address:		After-hours Telephone Number:	
Fire Department Telephone Number:		Police Department Telephone Number:	
Rooftop mechanical equipment (list)			
Walls and flashing components (list)			

Roof Layout - Identify Locations included in this day's work and the approximate locations of roof top mounted equipment

Length

Width
Not to scale



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An End of Day Fire Watch is required

The Fire Watch will commence when the welding equipment is turned off and shall be maintained for at least one hour.

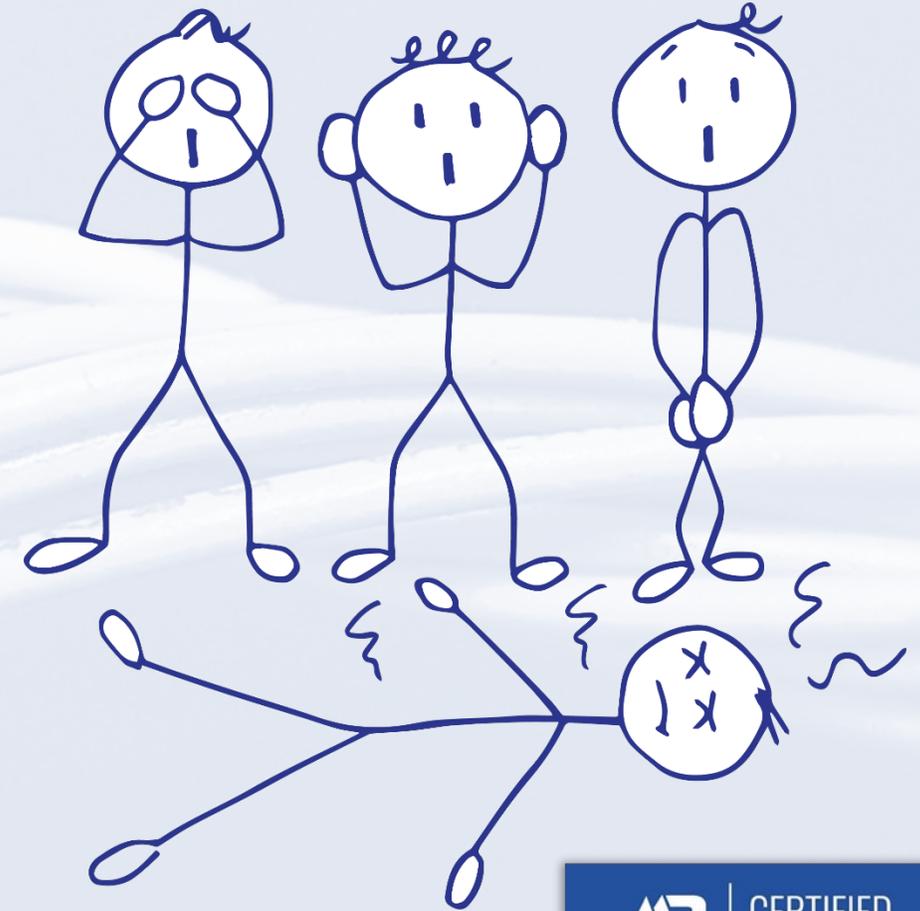
The person responsible for the fire watch must be familiar with facilities for sounding an alarm in the event of a fire. They shall watch for fires in all exposed areas, try to extinguish them only when obviously within the capacity of the equipment available, or otherwise sound the alarm.

Roofing is a Hazardous Profession

The MRCA identifies the hazards associated with the use of specific types of equipment and specific roofing activities.

Each MRCA program provides the participant with the latest information available to address the risks they face on a daily basis.

All MRCA training is fully OSHA compliant and technically up to date.



Who Should Attend

The MRCA's CERTA and HAWT training seminars are intended for all employees who are directly responsible for the management and/or use of Roofing Torch Equipment, Hot Air and Induction Welding Equipment, Generators and Fuels and for employees who supervise these mechanics.

**This includes Company Owners, Managers, Supervisors,
Foremen and Roofing Mechanics**



Reasons to Attend

- ✓ The attendee will receive a both a NRCA CERTA roofing torch safety card and the MRCA HAWT Hot Air and Induction Welding Safety Card. Companies may also request OSHA Compliance Certification Letter from the MRCA.
- ✓ Participation in the training programs demonstrates concern for the development and professionalism your business, the quality you deliver your customers, and the safety and health of your crews
- ✓ Some safety training classes are required by insurance companies and the HAWT Safety Training Class was developed to meet both these and OSHA's safety training requirements



Frequently Asked Questions

Who will Host?

Classes are held in at your location, in a host distributor's local facility or virtually, check with the MRCA to see what works best for you!

When?

This will be determined by the host. We believe that classes offered on Tuesday, Wednesday, Thursday or Friday beginning at 07:30 and completing at 15:00 are the most accessible by the attendees. Other days and times including short notice Rainy Day Training sessions are available upon request

Where?

This will also be determined by your needs.



Pricing

Pricing for the **MRCA's HAWT** training seminars held at any Beacon Location is the same as it is for MRCA member participants. Sessions are priced at a flat rate of \$450.00 per person for in person training..

Pricing for the **MRCA's CERTA** training seminars held at any Beacon Location is also the same as it is for MRCA member participants. Training sessions are priced at a flat rate of \$490.00 for new certification candidates and \$450.00 per person for previously certified participants.

For both types of training the MRCA provides all equipment, materials and lunch for the class participants. This is intended to be a turn-key operation for the branch. The MRCA will also provide an email template for a Pardot email campaign, a small easel counter display, a printable handout and a business card handout with a QR code linking to the MRCA's website for more information!





CERTIFIED
SAFE



CERTIFIED ROOFING
TORCH APPLICATOR



SAFETY & HEALTH AGENDA FOR
ROOFING PROFESSIONALS



HOT AIR & INDUCTION
WELDING SAFETY

The Midwest Roofing Contractors Association's Authorized User Safety Training Program

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