

Welding - Galvanized, Indoors

Purpose	The following procedure is used when performing welding activities indoors on galvanized metals . Galvanized coatings contain lead.
Engineering and Administrative Controls	If the following engineering or administrative controls are used, respirators and protective clothing are not required: • Local exhaust ventilation (LEV), <u>or</u> • Removal of galvanize material coating (at least 4 inches from either side of the weld area) by grinding, sanding, or power tool cleaning. (See Section 4.4)
Safety Equipment Requirements	Safety equipment required for welding galvanized metal shall include, but not be limited to, the following: • Minimum safety equipment required in area • Supplied air respirator (29 CFR 1910.252) mandatory if LEV is not used • Welders gloves, spats, jacket, leggings, long sleeve cotton or flame resistant shirts • Welding hood • Protective clothing: disposable clothing (i.e. Tyvek or Pyrolon) or furnished clothing which will not leave work site • Shoes or disposable boot covers
Additional Requirements	Use the following when welding on galvanized metals indoors: <i>If welding indoors for > 2 hours by any employee in any 8-hour shift, the following will also be required unless engineering or administrative controls are used.</i> • Yellow tape • Signs "Warning, Lead Work Area, Poison, No Smoking or Eating" • Workplace decontamination equipment • Change facilities with separate storage for clean and "dirty" clothing • Properly labeled air tight container to store contaminated clothing

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Welding - Galvanized, Outdoors

Purpose

The following procedure is used when performing welding activities outdoors on galvanized metals.

Engineering and Administrative Controls

If the following engineering or administrative controls are used, respirators and protective clothing are not required:

- Local exhaust ventilation; or
- Removal of galvanized material coating (at least 4 inches on either side of the weld area) by grinding, sanding, or power tool cleaning (see Section 4.4); or
- Position worker during welding task crosswind from fumes; or
- Welding is to be performed for less than 3 hours by the employee and no further exposure to lead will occur during the day.

Safety Equipment Requirements

Safety equipment required for welding galvanized metal shall include, but not be limited to, the following:

- Minimum safety equipment required in area
- 1/2 face respirator with HEPA filter
- Welders gloves, spats, jacket, leggings, long sleeve cotton or flame resistant shirts
- Welding hood
- Protective clothing: disposable clothing (i.e. Tyvek or Pyrolon) or furnished clothing which will not leave work site
- Shoes or disposable boot covers

Additional Requirements

Use the following when welding on galvanized materials outdoors.

If engineering or administrative controls will not be used the following will also apply.

- Yellow tape
- Signs " Warning, Lead Work Area, Poison, No Smoking or Eating"
- Workplace decontamination equipment
- Change facilities with separate storage for clean and "dirty" clothing
- Properly labeled air tight container to store contaminated clothing

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Welding - Lead Based Paints, Indoors

Purpose	The following procedure is used when performing welding activities indoors on metals coated with lead-based paints.
Engineering and Administrative Controls	If the following engineering or administrative controls are used, respirators and protective clothing are not required: • Local exhaust ventilation (LEV), or • Removal of lead-based paint material (at least 4 inches on either side of the weld area) by grinding, sanding, or power tool cleaning (see Section 4.4).
Safety Equipment Requirements	Safety equipment required for welding on lead-based paints shall include, but not be limited to, the following: • Minimum safety equipment required in area • Supplied air respirator (29 CFR 1910.252) mandatory if LEV is not used • Welder's gloves, spats, jacket, leggings, long sleeve cotton or flame resistant shirts • Welding hood • Protective clothing: disposable clothing (i.e. Tyvek or Pyrolon) or furnished clothing which will be worn off the work site • Shoes or disposable boot covers
Additional Requirements	Use the following when welding on lead-based paint materials indoors: <i>If engineering or administrative controls will <u>not be used</u> the following will also apply.</i> • Yellow tape • Sign "Warning, Lead Work Area, Poison, No Smoking or Eating" • Workplace decontamination equipment • Change facilities with separate storage for clean and "dirty" clothing • Properly labeled air tight container to store contaminated clothing

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Welding - Lead Based Paints, Outdoors

Purpose	The following procedure is used when performing welding activities outdoors on metals coated with lead-based paints.
Engineering and Administrative Controls	If the following engineering or administrative controls are used, respirators and protective clothing are not required: • Local exhaust ventilation; <u>or</u> • Removal of lead containing paint material (at least 4 inches on either side of the weld area) by grinding, sanding, or power tool cleaning (See Section 4.4); <u>or</u> • Position worker during welding task crosswind from fumes.
Safety Equipment Requirements	Safety equipment required for welding lead-based paints shall include, but not be limited to, the following: • Minimum safety equipment required in area • 1/2 face respirator with HEPA filter • Welder's gloves, spats, jacket, leggings, long sleeve cotton or flame resistant shirts • Welding hood • Protective clothing: disposable clothing (i.e. Tyvek or Pyrolon) or furnished clothing which will not leave work site • Shoes or disposable boot covers
Additional Requirements	Use the following when welding on lead based painted materials outdoors: <i>If engineering or administrative controls will <u>not be used</u> the following will also apply.</i> • Yellow tape • Warning Sign "Lead Work Area, Poison, No Smoking or Eating" • Workplace decontamination equipment • Change facilities with separate storage for clean and "dirty" clothing • Properly labeled air tight container to store contaminated clothing

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