



Safe Work Procedure

Scraping Off Spray On Insulation (Beams)

Department and Program: Physical Plant Maintenance

Date First Approved: October 2018

Date Reviewed: February 2023 Version 2.0 SWP-PP-GEN-042






This Safe Work Procedure must be reviewed any time the task, equipment, or materials change and at a minimum every three years.

DO NOT perform this procedure until you have been appropriately trained and authorized to do so.

Required Training

- Ladder training

Required Personal Protective Equipment and Devices

-  Eye Protection Required
-  Approved Dust Mask Required
-  CSA Approved Safety Footwear Required
-  Gloves Required
-  Protective Clothing Recommended
-  NIOSH Approved Respirator Recommended

Potential Hazards

- Fall from ladder
- Foreign matter falling into eyes causing irritation, redness, itching
- Inhalation of crystalline silica, portland cement, fiberglass/mineral wool and dust. Some symptoms may include: coughing sneezing and nasal irritation

Pre-Operational Safety Checks

- Clear path to work area and free of hazards
- Proper ladder selection for the job and ensure it is in good working order
- Work area zoned off from public via signage and/or barricades and/or caution tape
- Inspect dust mask, protective suit, gloves, eye protection and replace if necessary
- Wear long sleeve shirts to prevent repeated or prolonged skin contact

Prohibited Activities

- Do not use chairs or desks to elevate yourself
- Do not discard insulation into waste bins within the room, rather discarded the insulation into a designated construction bin
- Do not use power tools to remove insulation (excessive dust)
- Do not dry sweep dust accumulations or use compressed air for clean up

Safe Work Procedure

1. Put on all required personal protective equipment.
2. Cover all electronics/furniture with light poly
3. Set ladder up in desired location
4. Material should be wet before attempting to remove it.
5. Maintaining a three-point contact, remove insulation
6. The use of a scraper will be suffice to remove the insulation
7. Place wet material in a bag and seal it for disposal.
8. Remove small areas at a time.
9. Use a drop sheet to collect scrap material.
10. Persons subjected to large amounts of this dust will be forced to leave area because of nuisance conditions such as coughing, sneezing and nasal irritation. Labored breathing may occur after excessive inhalation

If an emergency situation occurs while conducting this task, or there is an equipment malfunction, shut the equipment off immediately and follow the lock out procedure.

REPORT ANY HAZARDOUS SITUATION TO YOUR INSTRUCTOR/SUPERVISOR IMMEDIATELY

Housekeeping

- Don PPE
- Avoid dust generation
- If vacuum is used to collect dust, use an industrial vacuum cleaner with a high efficiency air filter (HEPA)
- If sweeping is necessary, use dust suppressants
- Ensure the work area is clean and tidy before you leave it.
- Exposure controls: wash work clothing separately from other clothing. Rinse washer thoroughly after use.
- It must be made clear to the person who is discarding the construction bin that it may contain material that requires PPE

Guidance Documents/ Standards/ Applicable Legislation/ Other:

Guidance Documents:

- Work Safely With Spray On Fireproofing, Mount Sinai – Irving J. SELIKOFF Center for Occupational & Environmental Medicine

CSA Standards:

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Manitoba Regulation 217/06:

- 2.1 Safe Work Procedures
- 6.1 Personal Protective Equipment

Date Written: October 4, 2017

Procedure Developed By: Brent Cuvelier

Date Revised:

Approved By: Michael McCormick, Director of Physical Plant

Signature: 

Date Approved: 2023/2/1 Version 2.0 SWP-PP-GEN-042