

# NATIONAL TILE CONTRACTORS ASSOCIATION

Post Office Box 13629 • Jackson, Mississippi 39236 USA

## Silica Exposure Plan

Company:

Date:

Person Completing Plan, Title:

Competent Person:

Job Site:

Tasks to be performed:  Profile/Prep Floors - Indoors  Profile/Prep Floors - Outdoors  
 Grout/Setting Material Removal

Tool being used:  5" Handheld Grinder  7" Handheld Grinder

Controls: Use a grinder equipped with the appropriate, commercially available shroud and vacuum dust collection system with the CFM requirements, a filter that is 99% efficient and filter cleaning mechanism. Where possible, signage should be placed to keep other workers at a distance as to not be affected by and silica dust.

Work Practices:

- Check shrouds and hoses to make sure they are not damaged before starting work
- Make sure the hoses do not become kinked or bent while working
- If vacuum does not have a automatic filter cleaning system, frequently use manual cleaning mechanism when gauge indicates full
- Replace vacuum bags as needed, when gauges read full
- Use tools according to manufactures instructions
- If visible dust increases, check controls and adjust as needed

Respiratory Protection: Use dust mask (APF 10 )when task being performed will last more than 4 hours.

Housekeeping:

- Dust containing silica on work surfaces and equipment must be cleaned using wet methods or vacuumed
- Do not use dry sweeping or compressed air for removing dust and debris
- Dispose of used vacuum bags, keep bag securely sealed

Restrict Access of Work Areas:

Schedule work so that only employees who are engaged in the task being performed are in the area, or restrict access to areas being worked on. Post signage where needed

Tasks to be performed:  Cutting Tile/Fiber Cement board

Tool being used:  4" Handheld Grinder  6" Handheld Grinder  Wet Saw

Controls: Use wet methods for cutting tile. When cutting fiber cement board cut with a knife, avoid using a grinder

Work Practices:

- Make sure water hoses to the wet saw do not become kinked or bent while working
- Use tools according to manufactures instructions
- Avoid using a grinder to cut cement board, use a knife if possible
- If visible dust increases, check controls and adjust as needed

Respiratory Protection: None

Housekeeping:

- Dust containing silica on work surfaces and equipment must be cleaned using wet methods or vacuumed
- Do not use dry sweeping or use compressed air for removing dust and debris
- Dispose of used vacuum bags, keep bag securely sealed

Restrict Access of Work Areas:

Schedule work so that only employees who are engaged in the task being performed are in the area, or restrict access to areas being worked on. Post signage where needed

Tasks to be performed:  Mixing Mortar/Grout

Tool being used:  Large Mixer  Handheld Drill and Paddle

Controls: Mix mortar in a well ventilated area. Exhaust air when necessary

Work Practices:

- When pouring dry mix, keep at a low level

Respiratory Protection: None

Housekeeping:

- Dust containing silica on work surfaces and equipment must be cleaned using wet methods or vacuumed
- Do not use dry sweeping or compressed air for removing dust and debris
- Dispose of used vacuum bag and keep the container sealed

Restrict Access of Work Areas:

Schedule work so that only employees who are engaged in the task being performed are in the area, or restrict access to areas being worked on. Post signage where needed

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# TileLetter



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Tasks to be performed:  **Grinding Cement/Terrazzo Floors - Indoors**

Tool being used:  **Walk behind Grinder**

Controls: Use a grinder equipped with the appropriate, commercially available shroud and vacuum dust collection system with the CFM requirements of the manufacturer, or use wet methods. Where possible, other workers should be at a distance as to not be affected by and silica dust.

Work Practices:

- Check shrouds and hoses to make sure they are not damaged before starting work
- Make sure the hoses do not become kinked or bent while working
- If vacuum being used does not have a automatic filter cleaning system, frequently use manual cleaning mechanism when gauges indicate
- Replace vacuum bags as needed
- Use tools according to manufactures instructions
- If visible dust increases, check controls and adjust as needed

Respiratory Protection: None

Housekeeping:

- Dust containing silica on work surfaces and equipment must be cleaned using wet methods or with a HEPA filtered vacuum.
- Do not use dry sweeping or compressed air for removing dust and debris
- Dispose of used vacuum bags in a container and keep the container sealed.

Restrict Access of Work Areas:  
Schedule work so that only employees who are engaged in the task being performed are in the area, or restrict access to areas being worked on. Post signage where needed

Tasks to be performed:  **Demolition - Indoors**

Tool being used:  **Jackhammers, Chipping Hammers**

Controls: Use the tool equipped with the appropriate, commercially available shroud and vacuum dust collection system with the CFM requirements, a filter that is 99% efficient and filter cleaning mechanism. Where possible, other workers should be at a distance as to not be affected by and silica dust. OR use a continuous water stream delivered at the point of impact.

Work Practices:

- Check shrouds and hoses to make sure they are not damaged before starting work
- Make sure the hoses do not become kinked or bent while working
- If vacuum does not have a automatic filter cleaning system, frequently use manual cleaning mechanism
- Replace vacuum bags as needed
- Use tools according to manufactures instructions
- If using wet methods, be sure there is an adequate supply of water
- If visible dust increases, check controls and adjust as needed

Respiratory Protection: APF10 at all times

Housekeeping:

- Dust containing silica on work surfaces and equipment must be cleaned using wet methods or with a HEPA filtered vacuum.
- Do not use dry sweeping or compressed air for removing dust and debris
- Dispose of used vacuum bags in a container and keep the container sealed

Restrict Access of Work Areas:  
Schedule work so that only employees who are engaged in the task being performed are in the area, or restrict access to areas being worked on. Post signage to limit access

Tasks to be performed:  **General Housekeeping**

Tool being used:  **Vacuum with bag and filter**       **Broom**

Controls: Only use a broom with a wax based sweeping compound and only if vacuuming is not feasible. Use a vacuum with a filter and bag for collection

Work Practices:

- When sweeping, use a wax based sweeping compound
- Sweep in small areas, collect debris
- If using a vacuum, it MUST have a filter and bag
- Replace bags as needed
- If visible dust is present, check controls and adjust as needed

Respiratory Protection: None

Restrict Access of Work Areas:

