1. RESPIRABLE CRYSTALLINE SILICA EXPOSURE CONTROL PLAN

A. Controls and Procedures

Effective control options must be used to eliminate or reduce the risk to workers from the hazards of silica dust exposure. When standard procedures or a site-specific assessment requires protection from silica dust, follow the Exposure Control Plan below for standard sanding of silica containing material or develop a similar procedure for other task exposures

1) Engineering Controls

Where feasible, silica dust exposure must be controlled through engineering controls and work practices in preference to respiratory protection. Russell Hinton Co. provides commercially available dust collection attachment devices as available for sanding devices for use whenever feasible when sanding any silica containing substance. See below for instructions on use of dust collection devices.
However, when sanding silica containing drywall compound Russell Hinton Co. requires the use of respirators along with engineering and administrative controls.

2) Administrative Controls

Russell Hinton Co. requires that when sanding any silica containing material when it is not feasible to use a dust collection device, no employee shall work more than 1 hour per day at that task.

3) Personal Protective Equipment

Russell Hinton Co. requires that appropriate respirators be used whenever employees are exposed to dust from sanding silica containing materials. Safety glasses are also required when sanding.

- ⌑ Respirators alone are not sufficient protection from silica dust hazards.

4) Dust Collection Device Usage

Set Up: Prior to the use of the dust collection device, or any tool, the employee shall perform a visual inspection of the equipment to ensure it is safe for use. As required by manufacturer's instructions, the dust collection device shall be properly attached to the tool.
Cleaning: The dust collection device is equipped with a HEPA filter and collection tray. Per the manufacturer's recommendation the filter is disposable and should discarded as directed. If the collection tray becomes full of dust and restricts use, the tray shall be cleaned in the following manner on the worksite:
Disconnect power source from the device then remove the collection tray.
If needed discard the filter. If the filter is still usable place it to the side.
Place the collection tray in a sealable plastic bag and shake the dust from the try.
Allow the dust to settle before opening the bag and removing the tray. Any residual dust can be cleaned from the tray with only a damp cloth. Allow the tray to dry before reinstalling.
Reinsert the filter into the tray and replace it onto the device.
A thorough cleaning of the collection tray shall be performed when the device is returned to the shop. A thorough cleaning consist of clearing dust with a HEPA vacuum and washing with water or damp cloth.

5) Housekeeping Practices

To further reduce the exposure of crystalline silica dust in the worksite, use the following housekeeping practices:

- Dry sweeping, and dry brushing of in affected work areas are not permitted by Russell Hinton Co. employees.

- Use of compressed air to clean clothing or surfaces in affected work areas are not permitted by Russell Hinton Co. employees.
- A HEPA vacuum or wet method will be used for all silica containing dust cleanup.