

Generating Silica Dust

If you're doing the below activities, you need to follow Ambrose Construct Group Requirements:



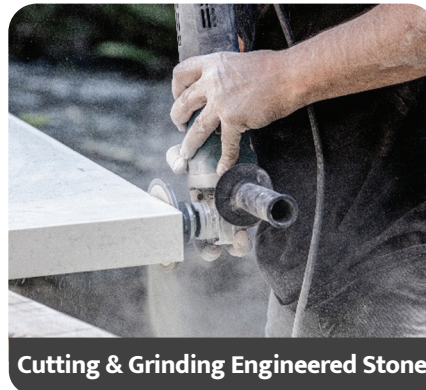
Grinding Concrete



Cutting Tiles



Demolition



Cutting & Grinding Engineered Stone



Cutting Concrete



Jackhammering Concrete



Drilling Concrete



Sweeping Silica Dust

There are other construction activities that may generate silica dust. If you are unsure, contact the ACG Supervisor.

Generating Silica Dust

Pre-Mobilisation

- SWMS to include controls to manage silica dust.
- Workers have fit testing (must be completed annually).
- Worker have completed Silica Awareness training.
- Vacuums must be M or H class and involve on tool dust extraction as preferred method to capture dust, water suppression is another acceptable method.
- Containment setup before any dust generating work begins on site.
- Ensure Air Filtration Devices will be on site in contained area.
- Identify where and how silica dust will be disposed of.

On Site Construction Work

- Complete Take 5/pre-start upon arriving to site – Tradies Web.
- All workers signed off on SWMS.
- Containment is established with all vents, cupboards, pantries etc. sealed and contents in area removed or covered.
- Air Filtration Devices (AFDs) to be setup in contained area, as required.
- Tools are adequate i.e. on tool dust extraction, M or H class vacuum etc.
- All workers in contained area have respirators and have been fit tested.
- Periodically inspect containment.

Post Construction Work

- Dust collected in vacuum to be accessed in containment area and removed from site.
- M or H class vacuum bag must be sealed prior to removal.
- Any items leaving the containment area must be wiped down (i.e. tools, PPE, vacuum bags, clothing etc.).
- Used wipes to be disposed of in a bag.
- Ensure all dust has been removed prior to removing containment (Evidence (photos of area) must be collected and uploaded into ATMOS).
- Ensure final inspection by Supervisor and workers has been completed prior to releasing the site.
- Workers to dispose of silica dust in accordance with council requirements.

Generating Silica Dust

Required Controls

The controls required will vary depending on the scope of works. As a minimum the work area must be contained with AFDs inside with all vents, cupboards, pantries etc. sealed and contents in area removed or covered. All power tools must have on-tool dust extraction or water suppression and workers in contained area are wearing respirators and have been fit tested.



Containment



Air Filtration Devices (AFDs)



Water suppression for jack hammering



Water suppression for cutting



On-tool dust extraction for floor grinding



On-tool dust extraction for floor grinding



On-tool dust extraction for drilling



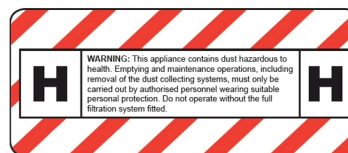
On-tool dust extraction for cutting



M Class vacuum for on-tool dust extraction



H Class vacuum for on-tool dust extraction



Respiratory Protective Equipment

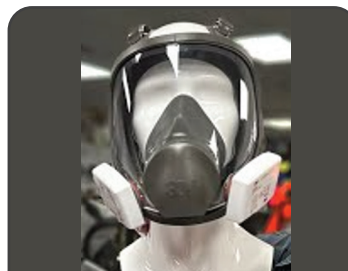
Respirator requirements will vary depending on the duration of the job and work activities.



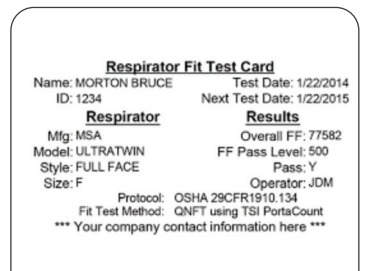
P2 Disposable (minimum requirement)



P2 Half-face Respirator



P3 Respirator



Annual Fit Testing Certificate