



# SILICA DUST

What it is, why it matters, and solutions to combat dust



## WHAT IS SILICA DUST?

Dust is highly dispersed tiny solid particles that circulate in the air.

### Types of Crystalline Silica Sources



Concrete



Brick



Stone



Crystalline silica

## WHY DOES IT MATTER?

### Generating Dust

Respirable Silica Dust is created by cutting, sawing, grinding, drilling and crushing silica-producing materials.



### Short-Term Health Hazards

- Poor visibility
- Skin, eye, nasal irritation

### Long-Term Health Hazards

- Silicosis
- Lung cancer
- Kidney disease
- Immune system effects

Approximately 2.3 million workers in the U.S. are exposed to silica or sawing.\*

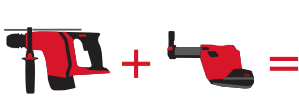
### 5 Steps To Getting Started

1. Educate yourself on local silica dust standards
2. Identify applications with potential exposure to RCS dust
3. Train employees and competent persons on risk associated with task
4. Develop and implement written silica exposure control plan
5. Ask questions: reach out to local industry groups

## HOW CAN I PROTECT MYSELF?

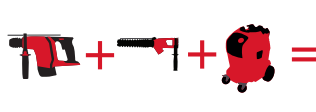
Use available dust removal solutions when performing dust-generating projects. Please refer to local guidelines for additional requirements.

### Dry Solutions



When drilling, attach a Dust Removal System (DRS) to remove up to 98% of dust.

OR



Combine a DRS and vacuum for a virtually dust-free solution while chiseling or sawing.

### Wet Solutions



Attach a self-priming pump to a gas saw to suppress dust.

OR



Utilize the Water Management System (WMS) to collect slurry when coring.