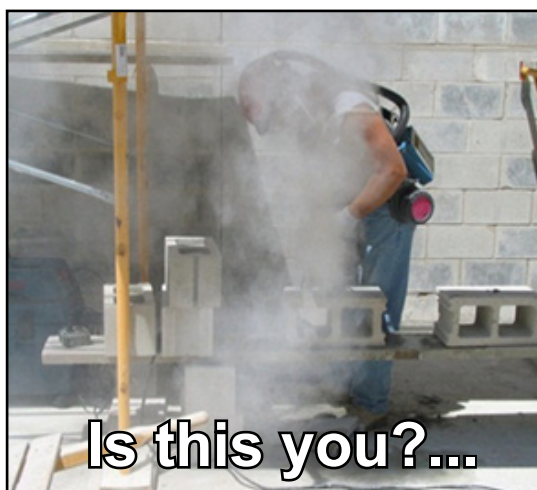


ARE YOU PREPARED FOR OSHA'S NEW CRYSTALLINE SILICA DUST REGULATIONS?

**BE COMPLIANT WITH OSHA STANDARDS
WHILE KEEPING WORKERS SAFE AND HEALTHY!**



**DUSTLESS
FILTRATION AND
DISPOSAL!**

**Ruwac
Certified
Dustless**
MADE in USA



**MADE IN
THE USA**

**HEPA
Option**

GROUNDING

Ruwac USA

We vacuum everything.
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THE FACTS ON OSHA'S NEW CRYSTALLINE SILICA RULE

Crystalline silica is naturally found in soil, sand, granite, and many other minerals used within the concrete industry. Millions of U.S. workers in high risk jobs such as abrasive blasting, foundry work, stonecutting, rock drilling, quarry work and tunnelling are exposed to dangerous levels of silica which can lead to serious health hazards in the form of cancer and respiratory issues, and OSHA's changes to current regulations will decrease these risks.

Why Has OSHA Updated Its Crystalline Silica Rule?

- OSHA's previous permissible exposure limits (PELs) for crystalline silica were adopted in 1971 and had not been updated since that time. They did not adequately protect workers, were outdated, inconsistent, and were hard to understand.
- Since the previous PELs were adopted, the U.S. National Toxicology Program, the International Agency for Research on Cancer, and the National Institute for Occupational Safety and Health have all identified respirable crystalline silica as a human carcinogen that can cause cancer
- The PELs for construction and shipyards were based on a method for measuring worker exposures that has not been commonly used for more than 40 years
- The previous PELs for construction and shipyard workers allowed them to be exposed to risks that are over twice as high as for workers in general industry
- The updated rule will provide consistent levels of protection for workers in all sectors covered by the rule

How Will the Updated Rule Affect Workers?

- The updated rule is expected to prevent thousands of deaths from silicosis, lung cancer, other respiratory diseases, and kidney disease
- OSHA estimates that the new rule will save hundreds of lives and prevent around 900 new cases of silicosis per year once the full effects of the rule are put into action

Who Would Be Affected by the New Rule?

- About 2.2 million workers are exposed to respirable crystalline silica in their workplaces
- The majority of these workers (about 1.85 million) are in the construction industry
- Exposures occur when workers cut, grind, crush, or drill silica-containing materials such as concrete, masonry, tile, and rock
- About 320,000 workers are exposed in general industry operations such as brick, concrete, and pottery manufacturing, as well as operations using sand products, such as foundry work and the fracking of oil and gas wells
- Workers are also exposed during sandblasting in general industry and maritime workplaces

What Would the Updated Rule Require?

- Workers' exposures will be limited to a new PEL of 50 micrograms of respirable crystalline silica per cubic meter of air ($\mu\text{g}/\text{m}^3$), averaged over an 8-hour day
- The new PEL will be the same in all industries covered by the rule
- The proposed rule also includes provisions for measuring how much silica workers are exposed to, limiting workers' access to areas where silica exposures are high, using effective methods for reducing exposures, providing medical exams to workers with high silica exposures, and training for workers about silica-related hazards and how to limit exposure
- Lowering silica exposure can generally be accomplished by using common dust control methods, such as using a vacuum to collect dust at the point where it was created before workers can inhale it, wetting down work operations to keep silica-containing dust from getting into the air, or process isolation

Source: OSHA 81 FR-16285

WHY CHOOSE Ruwac?

OSHA recommends the use of a vacuum system for workers using stationary and handheld masonry saws, grinders, tuckpointing, and other tools that create silica dust. Due to their superb features, Ruwac's vacuum systems are your best solution in reducing silica dust levels and containing silica dust efficiently, keeping workers safe from its harmful effects!



External Filter Shaker Reduces Worker Exposure to Dust

- Ruwac vacuums are equipped with an external filter shaker that allows you to clean the dust cake off the filter from the outside of the machine, thus preventing worker exposure to the filter and materials



Dust-free Emptying System Prevents Airborne Dust from Escaping

- Ruwac's specialized collection bin disassembles without the use of tools, reducing operator exposure with its contents. Simply lift up the easy foot-actuated lever to release the bin and turn the vacuum back on to avoid any airborne dust from escaping while emptying!



MicroClean Filtration is Completely Dustless

- Ruwac's industry-leading filtration is 99.99% efficient at 0.5 micron
- MicroClean filters outperform expensive cartridges, reduce maintenance, and cut down on costly filter replacements
- Certified dustless -- 3-year filter life guarantee



Secondary HEPA Filtration for Air Purification

- 99.997% efficient @ 0.3 microns; Merv 14 Rating
- For an additional layer of filtration that purifies air and increases safety by preventing the escape of respirable silica dust from the vacuum exhaust
- Average HEPA lifespan: 5 - 7 years



Cyclonic Pre-Separators

- Improves vacuum efficiency -- 95(+) % efficient with submicron particles before reaching the filter, preventing clogs and extending the life of both the primary and HEPA filters

Fully Compliant to OSHA Standards!

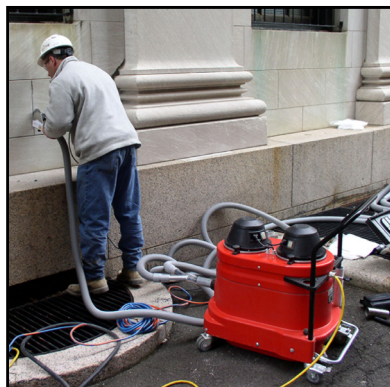
Is Your Vacuum System OSHA Compliant?

Ruwac Offers Over 30 years of Vacuum Excellence for the Concrete and Construction Industries!

- Available in 112 - 680 CFM, providing recommended performance of air flow
- Fully grounded to protect against static built-up
- Ideal for general housekeeping, work place maintenance and point of source extraction
- Compression cast composite housing will never dent or rust -- Guaranteed to last a lifetime!



Model	Hp	Hg"	CFM	Single Operator	Multiple Operators
WNS1000	1.6	7.9	112	1 Operator 1 Hose - 2" x 15' Max	2 Operators 2 Hoses - 1.25" x 10'
WNS2220	3.2	7.1	200	1 Operator 1 Hose - 2" x 25' Max	2 Operators 2 Hoses - 1.25" x 25'
WS2220	3.2	7.1	200	1 Operator 1 Hose - 2" x 25' Max	2 Operators 2 Hoses - 1.25" x 25'
WS2320-110	4	5	288	1 Operator 1 Hose - 3" x 15' Max	2 Operators 2 Hoses - 1.5" x 10'
WS2320-220	4	7.5	340	1 Operator 1 Hose - 3" x 25' Max	2 Operators 2 Hoses - 1.5" x 25'



Accessories

- 32" Floor sweeps
- Vacuum-assist tools
- Y-Adapters
- Connectors & Reducers
- Crevice Tools
- Utility Tools
- Brushes
- Hoses

Also available...

- Wet Collections and Immersion Separator Vacuums
- Cyclone Pre-Separators
- Continuous Duty Vacuum Systems
- Gas-Powered Vacuum Systems

