



UNITED STATES DEPARTMENT OF LABOR

Occupational Safety & Health Administration

OSHA's Final Rule to Protect Workers from Exposure to Respirable Crystalline Silica

"We are people, just like anyone else, and we deserve to have good health just like anybody else."

-Jonas Mendoza
construction worker and safety liaison for New Labor in New Jersey

"It was killing me and I had no idea. It's just a slow death."

-Tommy Todd
bricklayer from Oklahoma, has lung cancer related to silica dust exposure

Final Rule requires engineering controls to keep workers from breathing silica dust

The Occupational Safety and Health Administration (OSHA) has issued their final rule to curb lung cancer, silicosis, chronic obstructive pulmonary disease and kidney disease in America's workers by limiting their exposure to respirable crystalline silica.



Within OSHA's 16,890 page Standard on Silica Dust Exposure the ICS Dust Director® has been used and has figured prominently in just about every silica dust control study since its inception in 2001 and likewise has been acknowledged in the document's Standard.



FEDERAL REGISTER

Vol. 81 Friday,
No. 58 March 25, 2016
Book 2 of 3 Books
Pages 16285-16890

Part II

Department of Labor

Occupational Safety and Health Administration
29 CFR Parts 1910, 1915, and 1926
Occupational Exposure to Respirable Crystalline Silica; Final Rule

Key Provisions — OSHA Silica Dust Exposure Final Ruling:

- Effective Date: 23 June 2016
- Compliance Date: 23 June 2017
- Equipment: Dust Extractor (vacuum cleaner) equipped with a dust collector guard.

OSHA Final Rule — Dust Control Requirements:

- Vacuum - CFM Rating: 25 cfm or greater of air flow per inch of wheel diameter
- Vacuum - Filter Efficiency Rating: 99 percent or greater
- Vacuum - Filtration: Must be able to maintain the wheel diameter's CFM requirements
- Dust Emissions: No visible dust exhaust from either the vacuum or dust guard.





Examples of required CFM — For Wheel Diameter and Vacuum's CFM Rating:

Wheel Diameter	Required CFM — 25 cfm per inch of wheel diameter
5"	125 CFM (5" x 25 cfm)
6"	150 CFM (6" x 25 cfm)
12"	300 CFM (12" x 25 cfm)
14"	350 CFM (14" x 25 cfm)

OSHA Compliant Dust Director® Equipment











Dust Director® Vacuums & Cyclones with 1, 2 & 3-Motors

Provides 140-447 Maintained CFM, HEPA (washable) Filtration & Efficiency Rating, No Dust Emission Compliant

 <p>Clean Extreme Breathable Cloth Filter Collection Bags - Outside of the bag stays clean, HEPA cartridge filter stays clean, tank stays clean, <i>CFM Maintained</i>.</p>	 <p>Clean Extreme Washable HEPA Cartridge Filter - Dry & Wet Use, <i>Completely Washable</i> Cartridge Filter with Dust & Water Shredding PTFE Membrane.</p>	 <p>3-Stage Cyclonic Filtration - With NO Filters to Clog there is NO Suction Loss ~ <i>EVER!</i> Plus NO Electronics, Filter Pulsing or Work Stoppages to Clean any Filters!</p>	 <p>Poured In-Place Pliable Urethane Gasket - Form fitting gasket prevents dust emissions plus increases CFM without using larger motors.</p>
---	--	--	---

Dust Director® Dust Control Guards —

Versatile, Durable – Provides *Complete* Visibility & Containment Efficiency

 <p>Dust Director® - 4" to 6" Blade Capacity, 1-5/8" depth-of-cut. </p>	 <p>Dust Director® - 4" to 7" Blade Capacity, 2-1/4" depth-of-cut. </p>	 <p>Dust Director® - 12" Blade Capacity, 4-1/4" depth-of-cut. </p>	 <p>14" Gas Dust Director® - Installs onto gas cut-off saws. </p>
 <p>Glitter Bit Dust Controller - Diamond router bits for detailed grinding & cutting. </p>	 <p>Ventilation & Containment - 16" & 24" Power Blowers </p>	 <p>Hot Rod Dustless Saws - Concrete & Paver Cutting Joint Sealant Removal Crack Chasing </p>	 <p>Professional Surface Dust Guards - 5" & 7"</p>

ANSI & OSHA B7.1 STANDARD. All Dust Director® guards, vacuums and filter systems comply to the ANSI & OSHA Standard B7.1 for compliance to OSHA's Silica Dust Regulation, 78 Federal Regulation 56274.

In dust control studies various controlled and uncontrolled tools were evaluated for their effectiveness in capturing or containing silica dust particles in a work environment. Computer measured test results have shown that not only was the **Dust Director®** effective in containing silica dust but its results were **better** than dust control systems that used **water**.



Industrial Contractors' Supplies

DUST DIRECTOR — THE DUST CONTROL SPECIALISTS

N. Huntingdon, PA 15642

412-824-6933 • DustDirector.com