



OSHA® REGULATION ON RESPIRABLE CRYSTALLINE SILICA DUST

According to the Occupational Safety and Health Administration, over two million construction workers a year are exposed to crystalline silica dust. Found in materials like concrete, tile, rock, stone and brick, exposure to silica dust can be a major cause of a fatal lung cancer known as silicosis.

Starting September 23, 2017, the OSHA® regulation on respirable crystalline silica dust (29 CFR 1926.1153) will be enforced for construction trades. This regulation reduces the Permissible Exposure Limit (PEL) to 50 µg/m³ over an 8-hour period and will affect jobsites nationwide.

COMPLIANCE METHODS

TABLE 1

(Compliance through OSHA®'s Specified Control Methods)

Rotary Drilling / Chipping

Drill or chip with a commercial dust collection system. Filtration must have a minimum 99% efficiency and a filter cleaning mechanism.

Cutting / Grinding

Use a shroud that is attached to a dust extractor with a suction rate of at least 25CFM per inch of wheel diameter. The dust extractor filter must have a minimum 99% efficiency and a filter cleaning mechanism.

OBJECTIVE DATA

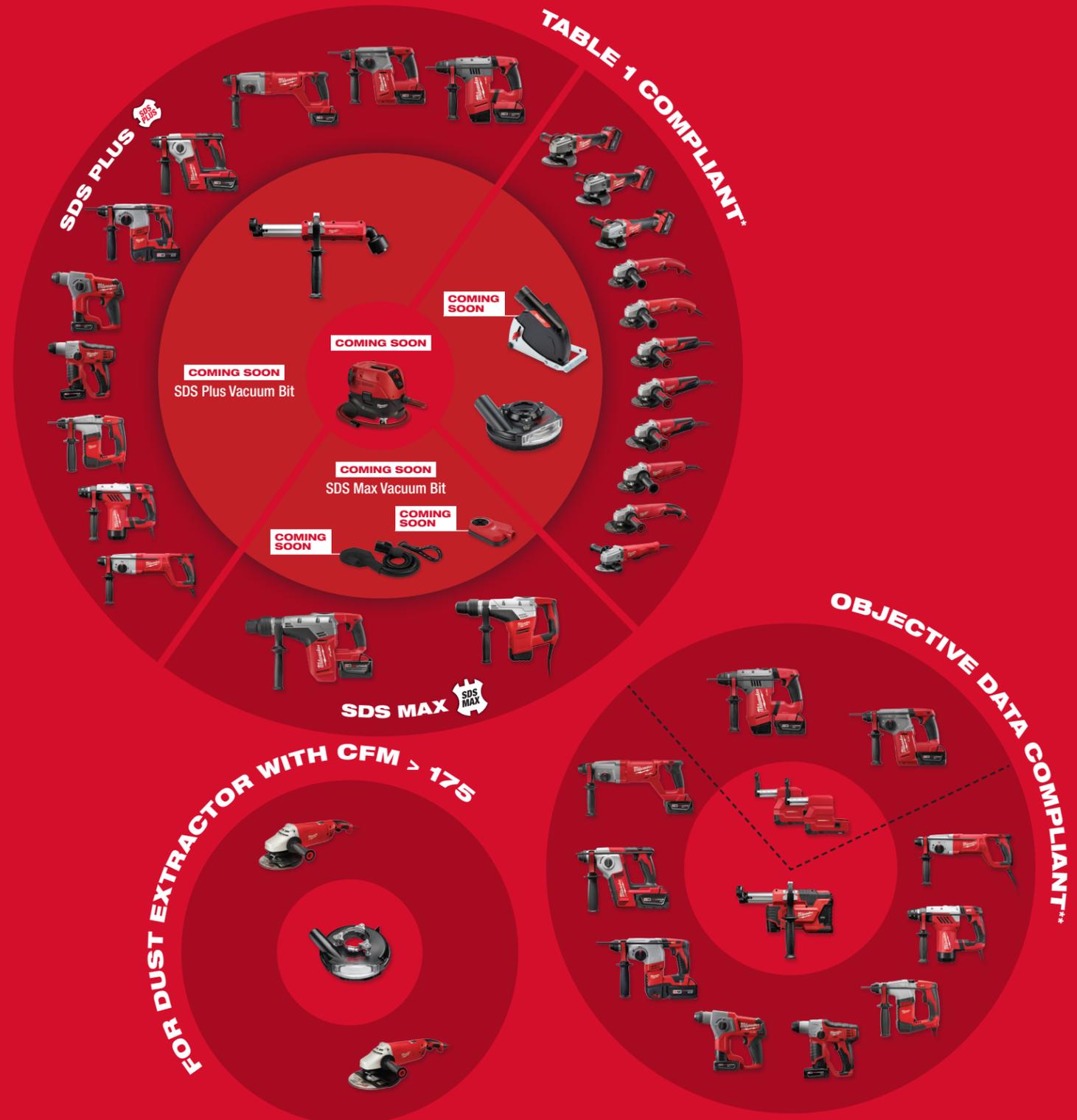
Data provided by the manufacturer that proves users are below the PEL (Permissible Exposure Limit) when using engineered control methods such as MILWAUKEE® HAMMERVAC™ units or dust shrouds.

SELF-MONITORING PROGRAM

Employers may choose to collect dust with alternative methods. *This can be time-consuming and costly.* If this option is chosen, employers must:

- Purchase and utilize air quality monitoring systems.
- Acquire test data from air monitoring systems.
- Provide medical assessments for employees exposed to silica dust.

DUST EXTRACTION SOLUTIONS



8 GALLON DUST EXTRACTOR

- 1 Meets OSHA® compliance
- 2 Automatic filter cleaning mechanism helps maintain consistent airflow
- 3 Dual filtration system (Main Filter and HEPA filter)
Main PTFE filter acts as first filtration method, air then flows through HEPA filter which captures the remaining small and hazardous dust particles
- 4 148 CFM for powerful fine dust extraction
- 5 Power Tool Actuation: Vacuum turns on when corded power tool is plugged in
- 6 Adapters included are compatible with all MILWAUKEE® dust extraction attachments



*System is compliant to the Exposure Control Methods as described by Table 1 of OSHA® Regulation 29 CFR 1926.1153 assuming operation and maintenance in accordance to manufacturer's instructions. Visit www.osha.gov for compliance details.

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