Esch Construction Supply, Inc.
Diamonds ♦ Cutting Equipment ♦ Repair

DUSTLESS SOLUTIONS GUIDE

Information to be used as a guide only. Please refer to the OSHA Silica Rule at www.OSHA.gov/silica for compliance information.

CUTTING WITH WATER

The most effective and efficient way to reduce the amount of respirable silica dust when using a hand held cut-off saw. Portable, pressurized or battery operated water tanks make wet cutting possible when no water source is available.

DUST FREE GRINDING & TUCKPOINTING

Combine your Metabo grinder with a grinding shroud and vacuum to capture dust in a surface prep application. Tuckpointing becomes dust-free when using the Tuckpointing Guard and vacuum.

The CDCLarue Pulse-Bac is HEPA certified and has self-cleaning technology to make dust collection easy and efficient.

+

OR

+

DUST-FREE X150

Esch Xtraction Solutions provide a dust-free solution for cutting outside of the green zone with your Soff-Cut x150 saw. Add the accessories to your existing x150 saw or pick up an entire Xtraction Solutions kit to cut new concrete and eliminate random cracking, dust-free!

IQ360X SAW + VACUUM

The iQ360x saw combines a saw & vacuum, all-in-one, to cut pavers, brick and stone dust-free. The iQ360x captures 99.5% of the dust and is OSHA compliant in all 50 states. Dry cuts dust-free both indoors and out.

WHAT IS THE OSHA SILICA RULE?

The standard requires employers to limit worker exposures to respirable crystalline silica and to take other steps to protect workers.

The standard provides flexible alternatives, especially useful for small employers. Employers can either use a control method laid out in Table 1* of the construction standard, or they can measure workers' exposure to silica and independently decide which dust controls work best to limit exposures to the PEL in their workplaces.

Regardless of which exposure control method is used, all construction employers covered by the standard are required to:

- Establish and implement a written exposure control plan that identifies tasks that involve exposure and methods used to protect workers, including procedures to restrict access to work areas where high exposures may occur.
- Designate a competent person to implement the written exposure control plan.
- Restrict housekeeping practices that expose workers to silica where feasible alternatives are available.
- Offer medical exams—including chest X-rays and lung function tests—every three years for workers who are required by the standard to wear a respirator for 30 or more days per year.
- Train workers on work operations that result in silica exposure and ways to limit exposure.

—Information courtesy of OSHA.gov/silica

Read the full OSHA Fact Sheet click ⬇ or visit www.osha.gov/silica

Table 1: Specified Exposure Control Methods When Working with Materials Containing Crystalline Silica

Equipment/ Task	Engineering and Work Practice Control Methods	Required Respiratory Protection and Minimum Assigned Protection Factor (APF)	
		≤ 4 hrs/ shift	> 4 hrs/ shift
(ii) Handheld power saws (any blade diameter)	Use saw equipped with integrated water delivery system that continuously feeds water to the blade. Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions.		
	• When used outdoors.	None	APF 10
	• When used indoors or in an enclosed area.	APF 10	APF 10

Excerpt from Table 1.

*See regulatory text for construction standard, with complete Table 1 at www.osha.gov/silica/SilicaConstructionRegText.pdf.

Esch Construction Supply, Inc.
www.EschSupply.com

ST. PAUL (651) 487-1880
MILWAUKEE (262) 888-1300
CHICAGO (312) 805-1216
DENVER (303) 945-1899