



# DUST MANAGEMENT AND CONCRETE FLOOR GRINDING

Concrete grinding creates dust which could be hazardous. OSHA has released its final ruling on crystalline silica exposure, and contractors are required to take measures to control silica dust exposure.

**FROM OSHA TABLE 1:**

Equipment / Task	Engineering and Work Practice Control Methods	Required Respiratory Protection and Minimum Assigned Protection Factor (APF)	
		≤ 4 hours /shift	> 4 hours /shift
(xiii) Walk-behind milling machines and floor grinders	Use machine equipped with integrated water delivery system that continuously feeds water to the cutting surface.  Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions.	None	None
	OR  Use machine equipped with dust collection system recommended by the manufacturer.  Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions.  Dust collector must provide the air flow recommended by the manufacturer, or greater, and have a filter with 99% or greater efficiency and a filter-cleaning mechanism.  When used indoors or in an enclosed area, use a HEPA-filtered vacuum to remove loose dust in between passes.	None	None

For more information on OSHA silica exposure guidelines please visit: <https://www.osha.gov/silica/>.

**To conform to OSHA’s regulations, contractors should use one of the following work methods when grinding concrete:**

- **Grinding dry and using dust collection systems.** Make sure the dust extractor is appropriate for the grinder you are using - see our reference guide on next page. **Lavina Dust Extractors are equipped with one or more air filters with large surface area and additionally with one or more Hepa filters, class H13, with efficiency of 99.99% at 0.3 microns. Furthermore, Lavina dust extractors feature the Longopac continuous bagging system for easier and safer dust disposal.**
- **Grinding wet,** i.e. using water to minimize airborne dust. All Lavina grinders are equipped with integrated water delivery system that continuously feeds water to the surface.
- **Using protective masks or respirators** which are approved for use with silica dust and conform to government regulations.

# LAVINA

by  SUPERABRASIVE

## FIND THE RIGHT DUST EXTRACTOR FOR YOUR GRINDER

MODEL	HEPA FILTER	EFFICIENCY	L14, L16	L21, L20, L20N	L25	L25L, L30L	L25G, L30G	L32, L32G	L38G
V20, V20G	1 HEPA, H13 CLASS	99.9% AT 0.3 MICRONS	X	X					
V25, 115V	1 HEPA, H13 CLASS	99.9% AT 0.3 MICRONS		X	X				
V25, 230V	1 HEPA, H13 CLASS	99.9% AT 0.3 MICRONS			X	X	X		
V25G	1 HEPA, H13 CLASS	99.9% AT 0.3 MICRONS			X	X	X		
V32, V32G	1 HEPA, H13 CLASS	99.9% AT 0.3 MICRONS					X	X	X



For complete technical specifications visit [superabrasive.com](http://superabrasive.com).