

Respirable crystalline silica. - 1926.1153. OSHA's New Silica Standards

OSHA's new Crystalline Silica Standards will tentatively go into effect on September 23, 2017. These standards replace the old silica guidelines put in place more than 40 years ago and contain a number of new requirements, including:

A new permissible exposure limit (PEL) of 50 micrograms of respirable crystalline silica per cubic meter of air ($\mu\text{g}/\text{m}^3$), averaged over an 8-hour work day. This PEL applies to all industries covered by the new standards.

- Employers must now use engineering controls to limit employee exposure (Table 1)
- Employee access to high exposure areas must be limited
- When employers need a written exposure control plan
- When employers must offer medical exams to highly exposed employees
- Employers must train employees on the dangers of silica and how to limit their exposure

Course Objective

The objective of Bailey Safety's Silica training is to provide general awareness of OSHA regulations, requirements, risks, and prevention methods for employees who may be exposed to silica in the workplace.

Learning Objective

After completing this Silica training, the student should be able to:

- Define respirable crystalline silica
- Understand where respirable crystalline silica is found
- Realize the hazards of silica dust and its exposure
- Identify the adverse health effects of silica dust exposure
- Understand definitions related to silica
- Understand how employees may be exposed to silica dust
- Identify key elements of the OSHA standard for respirable crystalline silica for construction
- Understand OSHA compliance with silica dust exposure prevention
- Understand silica dust avoidance methods; PPE, engineering controls & workplace practices.

Bailey Safety's Silica Course is a **Silica Competent Person Certification** program, developed by 1926 OSHA Outreach Trainers that will train your key employee to be a Competent Person with regard to the silica requirements on the jobsite.

Who Should Attend: OSHA requires training of all employees and supervisors who are required to work with or around powered tools and equipment used to cut, grind, core or drill concrete or masonry materials, marble or granite.