

# SILICA SAFETY INFORMATION

Fabricator Safety Guidelines

EUROSTONE QUARTZ

Premium Surfaces

# Overview

- Quartz surfaces contain crystalline silica
- Cutting and fabrication generates respirable dust
- Proper safety measures are required during fabrication
- End users: No special precautions needed after installation
- This document is for fabricators and installers only

# OSHA Compliance

- Follow OSHA 29 CFR 1926.1153 (Construction) or 1910.1053 (General Industry)
- Permissible Exposure Limit (PEL): 50  $\mu\text{g}/\text{m}^3$  as 8-hour time-weighted average
- Action Level: 25  $\mu\text{g}/\text{m}^3$  as 8-hour time-weighted average
- Engineering controls required when above action level
- Exposure monitoring required when silica exposure may exceed PEL

# Required Engineering Controls

- Use wet cutting methods with water delivery system
- HEPA vacuum dust collection for dry cutting

- Work in well-ventilated area or use local exhaust ventilation
- Never use compressed air to clean dust
- Keep work area clean with HEPA vacuum

## Personal Protective Equipment

- Respiratory Protection: N95 minimum, P100 or powered air-purifying respirator preferred
- Eye Protection: Safety glasses with side shields or goggles
- Hearing Protection: Required when noise exceeds 85 dBA
- Gloves: Cut-resistant gloves for handling material
- Protective Clothing: Long sleeves and pants to minimize skin contact

## Alternative: Cosmolite Collection

- EuroStone offers Cosmolite® zero-silica quartz alternative
- Contains no crystalline silica
- Reduces health risks during fabrication
- Same performance as traditional quartz
- Ideal for fabricators prioritizing worker safety