Toolbox KITS

SILICA DUST SAFETY TRAINING

Silica dust safety training

Standards: 29 CFR 1926.1153 (construction) and 29 CFR 1910.1053 (general industry)

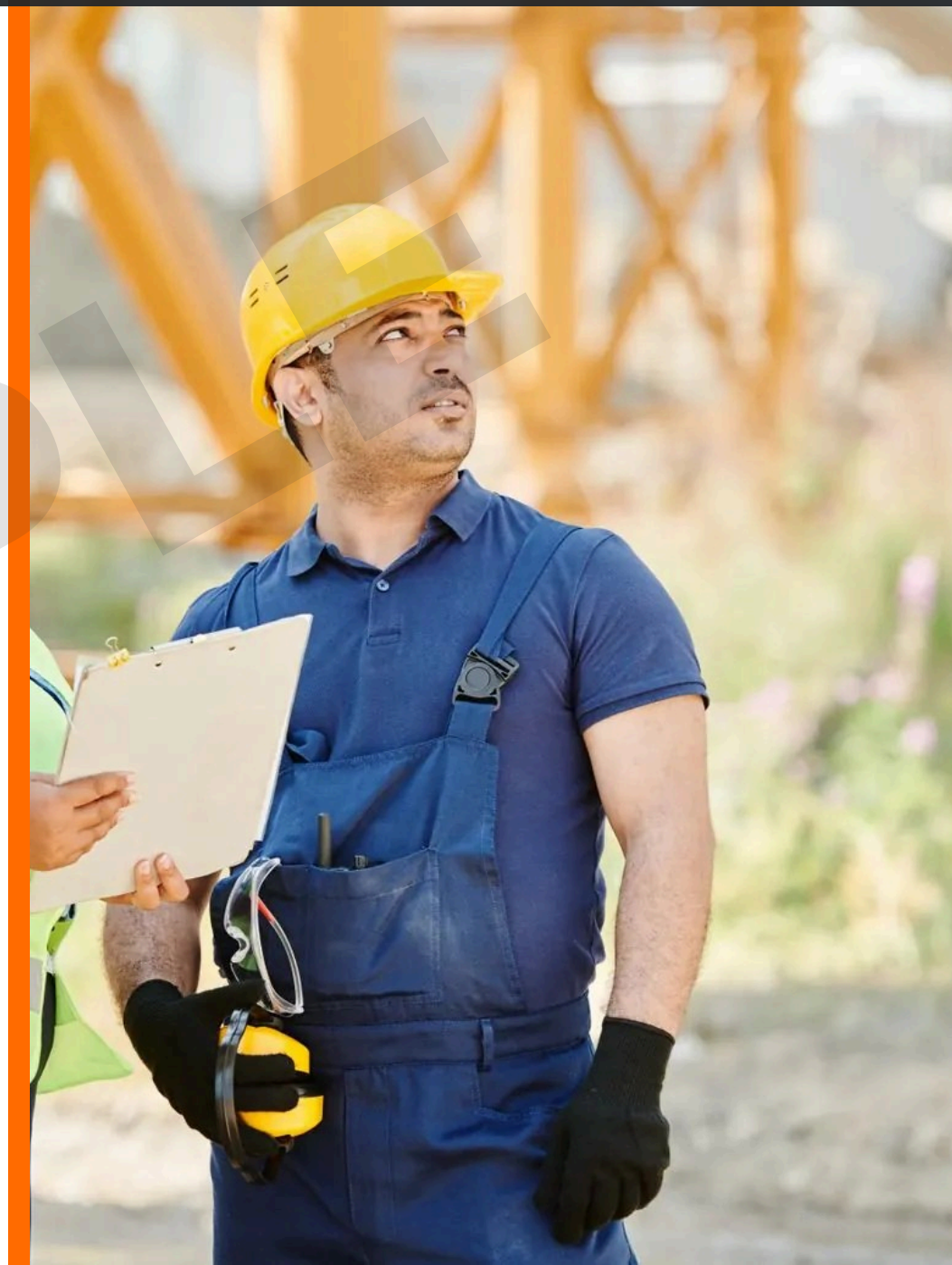
About 45 minutes, with a 10-question quiz

40 slides | About 45 minutes | 10-question quiz

English + Spanish

SAMPLE

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MODULE 1

The hazard: dust you often cannot see

01

Crystalline silica is a natural mineral found in sand, stone, concrete, brick, block, mortar and engineered stone.

02

Cutting, grinding, drilling, chipping, crushing or blasting these materials puts silica dust into the air.

03

The dust that does the most harm is fine enough to reach deep into your lungs, and much of it is too fine to see.

04

The OSHA rules cover respirable crystalline silica: quartz, cristobalite and/or tridymite in airborne particles that are determined to be respirable.

05

Dry cutting and dry drilling throw much more dust into the air than cutting with water or a vacuum at the tool.

06

Where you can, pick a method that makes less dust, like splitting pavers instead of sawing them.

29 CFR 1926.1153(b)

Toolbox KITS

Crew handout

Silica dust: crew handout

29 CFR 1926.1153, 1910.134, 1910.1053

Do

- Use the water or vacuum control for your task every time, and check it before the first cut
- Stop if you see a dust cloud, and fix the control before you restart
- Clean up with water or a HEPA-filtered vacuum
- Wear the respirator your task calls for, and if it is tight-fitting, do a seal check every time you put it on
- Be clean-shaven where a tight-fitting respirator seals
- Warn other crews before you start, and keep them out of your dust
- Know where the written exposure control plan is and who the competent person is
- Wash your hands and face before you eat, drink or smoke, and keep dusty clothes out of your car and home

Don't

- Dry sweep or dry brush silica dust
- Blow dust off clothes or surfaces with compressed air
- Pull off or bypass the water feed or vacuum to work faster
- Wear a tight-fitting respirator over a beard or stubble
- Use a shop vacuum without a HEPA filter on silica dust
- Eat or drink in the dusty work area

SAMPLE

Remember — **Control the dust at the tool every time: if you can see a dust cloud, stop and fix it.**

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