



OSHA 29 CFR § 1926.1153
RESPIRABLE SILICA DUST EXPOSURE
OBJECTIVE TEST DATA

Weka® DK12 Core Drill Motor Mounted on M-4 Rig
with Core Vac™ Bit Bandit and Core Bore™ Bit



The testing simulated real life use of the equipment. The mounted drill with proper vacuum were tested under conditions that would produce a maximum drilling depth of 6 inch. The sampling demonstrated that the equipment, when used according to manufacturer's recommendation, will perform as designed to eliminate respirable dust and respirable crystalline silica.

Narrative:

The Weka® DK12 Hand Held Drill Motor mounted on the M-4 rig, Core Vac™ Bit Bandit dust shroud that accepts 2" to 8" bits, a 250 CFM HEPA self-cleaning vacuum and a Core Bore™ Bit were tested. A 6-inch diameter Super Premium Turbo bit was installed on the motor that was mounted on the M-4 rig stand. A vacuum pump was used to anchor the rig to the concrete surface. Vertical drilling was accomplished on cured concrete at a total depth of 6-inches This testing was done without water.

Respirator protection is recommended but not required when the equipment is used properly and according to manufacturer's recommendations.

- Product:** Weka® DK12 Core Drill mounted on M-4 rig with Core Vac™ Bit Bandit and Core Bore™ Dry Vacuum Bit
- Engineering Controls:** 250 CFM HEPA self-cleaning vacuum
- Test Action:** Vertical Drilling
- Test Material:** Cured Concrete
- Test Method:** Personal sampling; dust track area sampling

Weka DK12 Core Drill Mounted on M-4 with Core Vac™ Bit Bandit and Core Bore™ Dry Vacuum Bit Sample Data						
Sampling Date	Time of Sample	Sampling Duration	Type of Coring	Bit Diameter	Depth of Core	Weather Conditions
January 24, 2018	12:36 PM	17 Minutes	Vertical Drilling	6"	6"	Outside, Sunny 70°

SAMPLING RESULTS:	SiO2	Below Detection Limits
	Respirable Dust	Below Detection Limits
	Total Dust	.0021 mg/m3

Testing conducted by SCT, Inc.

For further information, please contact Diamond Products Health and Safety Department.

This Objective Data represents one test per application and the amount of work performed during the Sampling Duration. The results provide the respirable silica dust exposure level based on the specific testing conditions, and in specific case situations.



Diamond Products Limited
333 Prospect Street - Elyria, OH 44035 U.S.A.
Phone: 800-321-5336, Fax: 800-634-4035
diamondproducts.com

SCT
Safety Engineering • Consultation • Training
6993 Pearl Rd. Middleburg Heights, OH 44130
800-204-1729