



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

Weka® DK12 Hand-Held Core Drill Motor with Core Vac™ Bit Bandit and Core Bore™ Bit



The testing simulated real life use of the equipment. The drill with proper vacuum were tested under conditions that would produce a maximum drilling depth of 2 inches. 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, a 250 CFM HEPA self-cleaning vacuum, Core Vac™ Bit Bandit dust shroud that accepts 2" to 8" bits, and Core Bore™ Dry Vacuum Core Bit were tested. A 3-inch diameter Super Premium Turbo bit was installed on the hand-held motor. The motor includes a side handle for stability. Horizontal drilling was accomplished on cured concrete at a total depth of 2-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 Hand-Held Core Drill with Core Vac™ Bit Bandit and Core Bore™ Dry Vacuum Bit
- Engineering Controls:** 250 CFM HEPA self-cleaning vacuum
- Test Action:** Horizontal Drilling
- Test Material:** Cured Concrete
- Test Method:** Personal sampling; dust track area sampling

Weka DK12 Hand-Held Core Drill with Core Vac™ Bit Bandit and Core Bore™ Bit Sample Data

Sampling Date	Time of Sample	Sampling Duration	Type of Coring	Bit Diameter	Depth of Core	Weather Conditions
January 24, 2018	10:59 AM	9 Minutes	Horizontal Drilling	3"	2"	Outside, Sunny 69°

SAMPLING RESULTS:

SiO ₂	Below Detection Limits
Respirable Dust	Below Detection Limits
Total Dust	.017 mg/m ³

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.



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