CORE BORE
CORE VAC

DIAMOND PRODUCTS
OFFICIAL OBJECTIVE DATA

The testing simulated real life use of the equipment. The saw with vacuum skid plate and proper vacuum were tested under conditions that would produce a maximum cut depth of 5 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 Core Cut™ C14 electric hand saw, Core Vac™ vacuum skid plate and 250 CFM HEPA HEPA self-cleaning vacuum were tested. A 14-inch Heavy Duty Orange high speed blade was installed on the saw. Flat sawing was accomplished on cured concrete at a total length of 18-inches, 5-inches deep. The 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: C14 Hand-Held electric saw with vacuum skid plate
Engineering Controls: 250 CFM HEPA self-cleaning vacuum
Test Action: Flat saw cutting
Test Material: Cured Concrete
Test Method: Personal sampling; dust track area sampling

Core Cut™ C14 Hand-Held Saw Sample Data							
Sampling Date	Time of Sample	Sampling Duration	Type of Cut	Blade Diameter	Depth of Cut	Length of Cut	Weather Conditions
January 24, 2018	9:53 AM	5 Minutes	Flat Sawing	14"	5"	18"	Outside, Sunny 68°

SAMPLING RESULTS:	SiO2	Below Detection Limits
	Respirable Dust	Below Detection Limits
	Total Dust	.53 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.

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