



**OSHA 29 CFR § 1926.1153
RESPIRABLE SILICA DUST EXPOSURE
OBJECTIVE TEST DATA
First-Cut™ Early Entry Concrete Sawing
CC190PRO-EE with Core Vac™ CV1900 Vacuum**



The testing simulated real life use of the equipment. The saw with proper vacuum were tested under conditions that would produce a maximum cut depth of 3 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:

Diamond Products First-Cut™ CC190PRO-EE with skid plate, vacuum side cover and Core Vac™ CV1900 vacuum were tested. The First-Cut™ CC190PRO-EE early entry green walk-behind concrete saw is powered by a 20.8HP Honda® GX630 engine. Flat sawing was accomplished on green concrete at a total length of 36-inches. A 14-inch First-Cut™ Expert blade was used at a cutting depth of 3-inches. 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:** CC190PRO-EE First-Cut™ Early Entry Saw with Core Vac™ CV1900 Vacuum
- Engineering Control:** Core Vac™ CV1900 Vacuum
- Test Action:** Flat saw cutting
- Test Material:** Green concrete less than 3 hours after pour
- Test Method:** Personal sampling; dust track area sampling

CC190PRO-EE with CV1900 Vacuum Sample Data

Sampling Date	Time of Sample	Sampling Duration	Type of Cut	Blade Diameter	Length of Cut	Depth of Cut	Weather Conditions
January 25, 2018	10:09 AM	22 Minutes	Flat Sawing	14"	36"	3"	Outside, Sunny 61°

SAMPLING RESULTS:	SiO2	Below Detection Limits
	Respirable Dust	Below Detection Limits
	Total Dust	011 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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