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97% DUST REMOVAL
LABORATORY TEST RESULTS
WITH DUSTNET

Lab I.D. #: 89-4224

On October 24, 1989, at 2:00 p.m., air samples were collected to determine the dust removal capabilities of **TC1210 DUSTNET**. Sampling was done by David W. Bowers of Pioneer Laboratory at Horton Concrete Company, 1001 West Main Street, Pensacola, Florida. Equipment provided by Pioneer Lab included a 1.4 liter/minute and a 2.0 liter/minute air sampler; all other equipment were per NIOSH Method 0500 Total Nuisance Dust Method, Hortoncrete Concrete Company provided 100 lbs of Hortoncrete Blasting Sand, 224g **TC1210 DUSTNET**, and a motorized 900 lb. drum type concrete mixer. The 100 lb. bag of Blasting Sand was poured into mixer then allowed to mix. An air sample was taken for two minutes and thirty seconds at mouth of mixer. Then the 224g of **TC1210 DUSTNET** was added to mixer and allowed to mix for one minute. A second air sample was then taken for 2 minutes and thirty seconds at the mouth of the mixer.

The results of the tests were taken by determining weights of the filters then calculating per **NIOSH Method 0500**.

Filter weight before test	Filter weight after test	Volume
SAMPLE #1 .0130 g or 13.0 mg	.0184 g or 18.4mg	3.22 liters
SAMPLE #2 .0129 g or 12.9 mg	.0131 g or 13.1 mg	4.6 liters

CALCULATION

Sample #1 $\frac{(18.4 \text{ mg} - 13.0 \text{ mg}) (10^3)}{3.22 \text{ liters}} = 1677 \text{ mg/m}^3$

Sample #2 $\frac{(13.1 \text{ mg} - 12.9 \text{ mg}) (10^3)}{4.6 \text{ liters}} = 43.5 \text{ mg/m}^3$

In conclusion, it was determined that with the **TC1210 DUSTNET**, the dust at mixer mouth was 43.5 mg/m³. Whereas without the **TC1210 DUSTNET**, there were 1677 mg/m³ of dust.

The TC1210 DUSTNET caused a reduction of dust by 97%.

Approved By: John V Hawkins
end of report

For More Information About Our Revolutionary Breakthrough

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