

SUMMARY OF RESULTS

Beneficial Designs, Inc. received a surfacing sample from Envirobond Products Corporation classified as Surface stabilizer with the brand name Organic-Lock. **This sample of Organic-Lock met the maneuverability performance requirements of ASTM F 1951-09b.**

Report Prepared By:



Peter Axelson, Tesing Supervisor

16 July 2014

Date

TEST INSTITUTION

Name: Beneficial Designs, Inc.
Phone: 775-783-8822
Operator: S. Schorbus
Data recorder: B. Blythe

ROTATIONAL PENETROMETER

Manufacturer: Beneficial Designs, Inc.
Serial Number: BDRP-107

TEST SURFACE

Manufacturer: Envirobond Products Corporation
Name: Organic-Lock
Type: Surface stabilizer

Test Surface: Installation, Leveling & Compaction

Installed on the test site per manufacturer specifications

TEST RESULTS

The test plot of aggregate blended with Organic-Lock, installed per manufacturer specifications had a firmness of 0.170 inches and stability of 0.188 inches

Rotational Penetrometer Surface Testing Report

RESNA Surface – Section 1: Test Method for Firmness and Stability (Working Draft 2000-11-20)

TEST INSTITUTION

Name: Beneficial Designs, Inc.
Address: 2240 Meridian Blvd., Suite C
Minden, NV 89423
Phone/Fax: ph 775.783.8822/fax 775.783.8823
Operator: S. Schorbus
Data recorder: B. Blythe

ROTATIONAL PENETROMETER

Manufacturer: Beneficial Designs, Inc.
Serial number: BDRP– 107
Date of last calibration: 2014-06-20
Tire pressure set at 36 psi. on: 2014-06-30
By: S. Schnorbus Temp. °F: 86
Indentor position (A-H)

TEST INSTITUTION

Date: 2014-06-30
Time: 12:30

TESTING CONDITIONS

Temperature °F: 86
Relative Humidity %: 43

If the temperature is more than 10 °F different than the temperature at the tire pressure check, re-inflate tire before starting to test.

TEST INSTITUTION

Manufacturer: Enivrobond Products Corporation
Name: Organic-Lock
Type: Surface Stabilizer
Source: Gail Materials
Date of mfr: 2014-06-13
Depth: 5.5 inches
Water content: Not Available*
Location: Gail Materials, Corona, CA

TEST RESULTS

Record readings to nearest hundredth of an inch (0.00).

Trial	Slope(%)	Firmness (in)	Stability (in)
1	1.9	0.177	0.211
2	2.8	0.174	0.188
3	0.9	0.167	0.179
4	1.4	0.168	0.87
5	2.0	0.164	0.177
Avg.	1.80	0.170	0.188
SD	0.7	0.005	0.014

Procedures used to install, compact and/or level prior to testing:

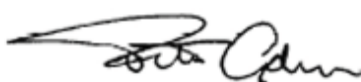
Installed on-site by manufacturer, A. Ruvalcaba, per attached instructions. *Surface samples are currently being tested for water content per ASTM D2216. ASTM D2216 results are provided as a point of reference and will be provided in a separate document when available.

Method of stabilizing the surface reference plates: The test operator stood on the surface reference plates.

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