Beneficial Designs Inc.

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. Schnorbus
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)	

Date & Time of Test

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 Surface

Manufacturer	Envirobond 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).

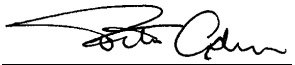
Trial	Slope (%)	Firmness (in)	Stability (in)
1	1.9	0.177	0.211
2	2.8	0.174	0.188
3	0.9	0.167	0.179
4	1.4	0.168	0.187
5	2.0	0.164	0.177
Avg.	**1.80**	**0.170**	**0.188**
SD	0.71	0.005	0.014

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.

Summary of Results

Beneficial Designs, Inc. received a surfacing sample from **Envirobond Products Corporation** with the brand name **Organic-Lock**. This sample of **Organic-Lock** had a **firmness** of **0.170 in.** and **stability** of **0.188 in.**

Report prepared by: 
Peter Axelson, Testing Supervisor

16 July 2014
Date