

H. H. HOLMES TESTING LABORATORIES, INC.

November 3, 1997

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Thor L. Moody  
Deslauriers, Inc.  
P.O. Box 189  
Bellwood, IL 60104

Subject: Comparative Tests - Plastic Slump Cone v.s. Spun Metal Slump Cone

Dear Mr. Moody:

In accordance with your request we have performed a series of comparative tests utilizing a new plastic slump cone and a new spun metal slump cone, both provided by Deslauriers, Inc. The equipment used in the test and the methods employed were in accordance with ASTM Standard C143 (97). A total of ten (10) comparisons were made for each of three (3) different ranges of slump, resulting in a total of thirty (30) individual comparisons. At all of the slump ranges tested, the plastic slump cone was determined to meet the comparative criterion spelled out by the standard. The following summarizes the data:

	<u>2" to 4"</u>		<u>4" to 6"</u>		<u>6" to 8"</u>	
	<u>Plastic</u>	<u>Metal</u>	<u>Plastic</u>	<u>Metal</u>	<u>Plastic</u>	<u>Metal</u>
1.	2.25	2.25	5.00	4.75	6.50	6.50
2.	2.00	2.25	4.25	4.00	6.25	6.25
3.	3.25	3.25	5.25	5.25	7.50	7.75
4.	2.75	2.50	4.00	4.00	7.25	7.25
5.	2.50	2.50	5.75	5.75	7.75	7.50
6.	2.00	2.00	4.25	4.50	6.25	6.25
7.	2.50	2.50	5.00	5.00	7.50	7.25
8.	2.75	3.00	5.75	5.75	7.00	7.00
9.	3.25	3.25	4.25	4.25	6.75	6.75
10.	<u>3.75</u>	<u>3.75</u>	<u>5.25</u>	<u>5.25</u>	<u>6.75</u>	<u>7.00</u>
Ave:	2.70	2.73	4.87	4.85	6.95	6.95
Ave. Diff:	0.03		0.02		0.00	
>Single Diff:	0.25		0.25		0.25	

Based upon the requirements contained in C143 for alternative materials, and the test data as presented above, the Deslauriers Plastic Slump Cone is found to be in compliance with the requirements of the standard.

Respectfully Submitted,  
H. H. Holmes Testing

Ken Clibourn  
Vice President  
wpwin/testing/holmes