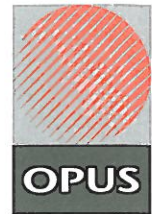


**RIGID CELLULAR PLASTICS  
TEST REPORT**



Attention: Wayne Watson  
Expol  
P O Box 13560  
Onehunga  
Auckland 1643

Project : **Product Evaluation**

Client : **Expol**

Contractor : **Expol**

Sampled by : **Expol**

Date sampled : **18/04/12**

Sampling method : **Not Stated**

Sample description : **30 & 20 kg/m<sup>3</sup> Polystyrene**

Sample condition : **As Received**

<b>Project No :</b>	<b>1-L0123.69</b>
<b>Lab Ref No :</b>	<b>003/12</b>
<b>Client Ref No :</b>	<b>Wayne Watson</b>

**Test Results**

Sample No.	Initial Effective Vertical Load/Pressure		Maximum Applied Horizontal Load/Pressure		Interface Coefficient of Friction
	(N)	(kPa)	(N)	(kPa)	
1	36.0	10.0	37.9	10.5	1.05
2	72.0	20.0	63.7	17.7	0.88
3	144.0	40.0	100.1	27.8	0.69

**Test Methods**

Following the method as described in BS1377 : 1990 Part 7 Test 4

Notes: { The higher density EPS was on the material lower interface and the lower on the material upper interface.  
The "skin" surfaces were in contact.  
The maximum applied horizontal load/pressure was when the gauge registered its highest reading.  
Sample area under test was 3600mm<sup>2</sup>  
Individual samples were used for each initial effective vertical pressure

Date tested : 07-08/05/12

Date reported : 08/05/12

This report may only be reproduced in full

Approved

*D Hotham*

Designation : *Assistant Laboratory Manager*

Date : 08/05/12