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4076

Frost Heave BS 812-124:2009

<b>REPORT No:</b>	<b>PTS1219-G-03-A-16</b>	<b>DATE:</b>	<b>14/02/12</b>
Laboratory Reference No	Lab/11/4937		
Certificate of Sampling Received	Y		
Client	Gallaghers		
Client Address	James Corbett Road, Salford		
Client Reference No	Gal29/11/11		
Date and Time of Sampling	29/11/2011		
Sampling Location	Stockpile		
Source	Site Produced		
Method of Sampling	N/K		
Sampled By	Client		
Material Description	Recycled Type 1 Subbase + SMR		
Date of Receipt at Lab	29/11/2011		
Date of Start of Test	20/01/2012		

RESULTS					
Maximum Dry Density Mg/m <sup>3</sup>		<b>1.84</b>	Dry Density at which test specimens were prepared Mg/m <sup>3</sup>		<b>1.84</b>
Moisture Content %		<b>10.0</b>	Moisture Content used to prepare test specimens %		<b>10.0</b>
Particle Size Distribution of Test Portion as Received	63.0mm	<b>100</b>	Particle Size Distribution of Stable Test Specimen	63.0mm	<b>100</b>
	40.0mm	<b>100</b>		40.0mm	<b>100</b>
	37.5mm	<b>N/A</b>		37.5mm	<b>N/A</b>
	31.5mm	<b>89</b>		31.5mm	<b>89</b>
	16.0mm	<b>75</b>		16.0mm	<b>73</b>
	8.0mm	<b>54</b>		8.0mm	<b>51</b>
	4.0mm	<b>42</b>		4.0mm	<b>39</b>
	2.0mm	<b>35</b>		2.0mm	<b>32</b>
	1.0mm	<b>29</b>		1.0mm	<b>27</b>
63 micron	<b>8</b>	63 micron	<b>7</b>		

MAXIMUM FROST HEAVE IN 96 HOURS			
Reference Specimen 1	<b>13.0</b>	Test Specimen 1	<b>11.5</b>
Reference Specimen 2	<b>10.0</b>	Test Specimen 2	<b>11.5</b>
Reference Specimen 3	<b>12.5</b>	Test Specimen 3	<b>10.5</b>
<b>Mean</b>	<b>11.8</b>	<b>Mean Frost Heave</b>	<b>11.2</b>

Comments/Departure from Specified Procedure:  
 Sample complies with SHW CI 803 requirements (Subbase)

Signed:		( )	M Hayes – Laboratory Manager
		( )	D Foster – Assistant Laboratory Manager
		( X )	J Hopkinson – Senior Technician