

**Laboratory Reference: CAN11W2292**

## ***ADHESION AGENT TEST REPORT***

**ATTENTION:**
**Ray Georgey**

CLIENT: Otech Australia  
 CLIENT REFERENCE: 0.5pph Otech AGGBIND-75<sup>®</sup> by volume at 15°C  
 ADHESION AGENT: Otech AGGBIND-75<sup>®</sup> liquid adhesion agent  
 ADHESION AGENT SOURCE: Supplied by Fulton Hogan Canterbury Bitumen Plant in May 2011  
 AGGREGATE SOURCE: Sampled from Bellingham Quarry by Gary Olsen in August 2011  
 TEST METHOD USED: WDSC B301-89T  
 TESTED BY: Rachel Smith on 28/09/2011

**RESULTS:**

<b>AGGREGATE SOURCE</b>	<b>AGENT QUANTITY (PPH BY VOLUME)</b>	<b>TEST RESULT</b>	<b>TEST CRITERION</b>
Bellingham Quarry – Larmer Road, Kaitaia	0.5	<b>69</b> Spec : 80 min	1.52 Spec : 2 max

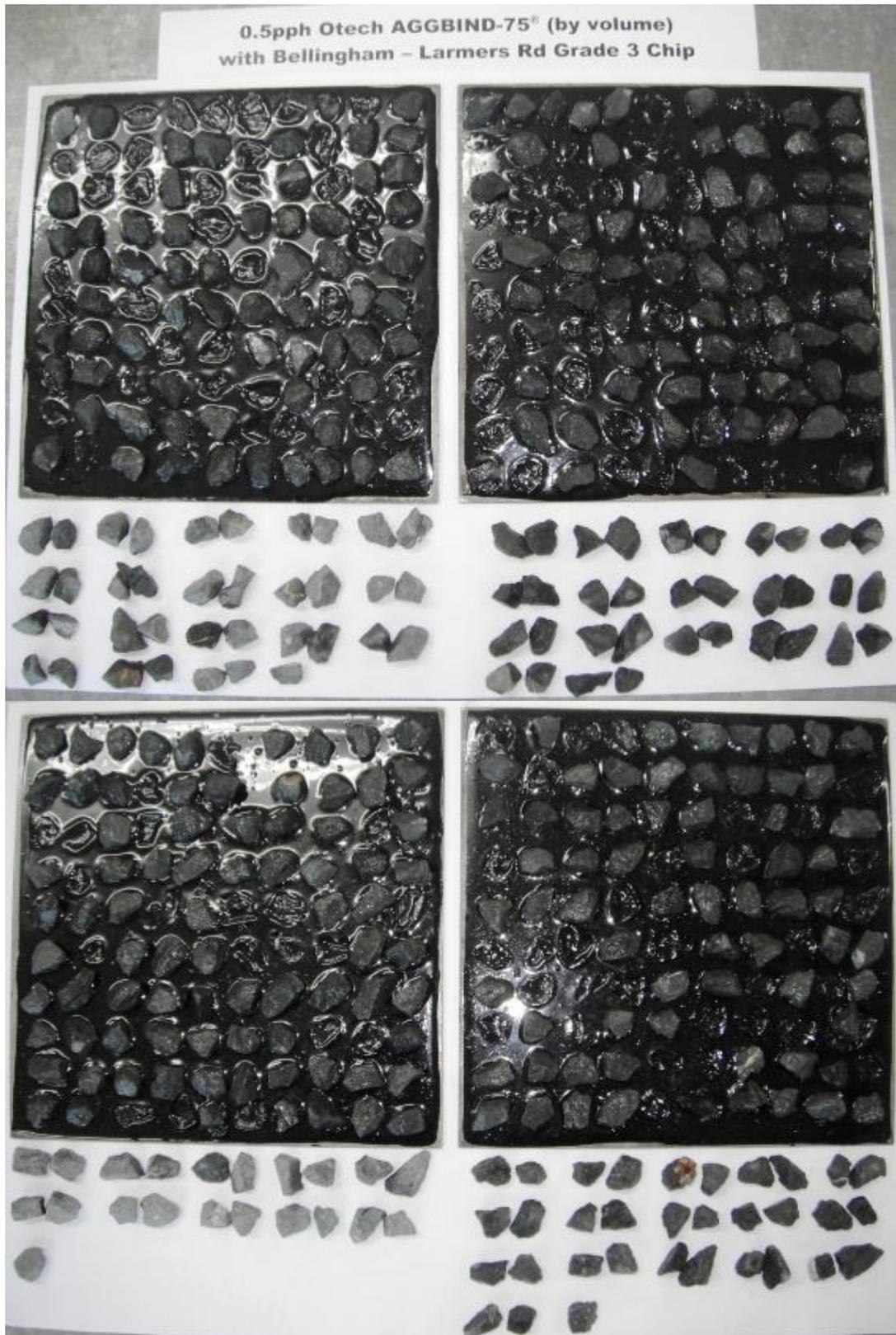
Test performed using: Grade 3 chip of basalt origin  
 Chip sieved between 13.2 & 9.5mm sieves and washed in deionised water  
 180/200 Penetration Grade Bitumen  
 Adhesion agent set up time was 2.5 hours  
 Test temperature of 25°C

Report Issued By: Pritpal Singh on 28/09/2011

Report Checked By:

  
 Bitumen Laboratory Supervisor

Disclaimer: These test results apply to the samples as received by the Laboratory. No liability will be accepted by the Laboratory for any misrepresentation with respect to the sampling of material for testing and/or the use of these test results.



**Figure 1.** Photograph showing test plates with 180/200 bitumen and 0.5pph Otech AGGBIND-75<sup>®</sup> (by volume) after test was performed. Bellingham Quarry grade 3 chip that was dislodged is arranged below the plates.