

Laboratory Reference: CAN11W2290

ADHESION AGENT TEST REPORT

ATTENTION:
Ray Georgey

CLIENT: Otech Australia
 CLIENT REFERENCE: 0.5pph Otech AGGBIND-75[®] by volume at 15°C
 ADHESION AGENT: Otech AGGBIND-75[®] liquid adhesion agent
 ADHESION AGENT SOURCE: Supplied by Fulton Hogan Canterbury Bitumen Plant in May 2011
 AGGREGATE SOURCE: Sampled from Winstone Otaika Quarry – Whangarei in July 2010
 TEST METHOD USED: WDSC B301-89T
 TESTED BY: Rachel Smith on 30/09/2011

RESULTS:

AGGREGATE SOURCE	AGENT QUANTITY (PPH BY VOLUME)	TEST RESULT	TEST CRITERION
Winstone Otaika Quarry - Whangarei	0.5	90 Spec : 80 min	1.21 Spec : 2 max

Test performed using: Grade 3 chip of greywacke 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: Suzanne Lee on 30/09/2011

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.

Continuation of Laboratory Reference: CAN11W2290

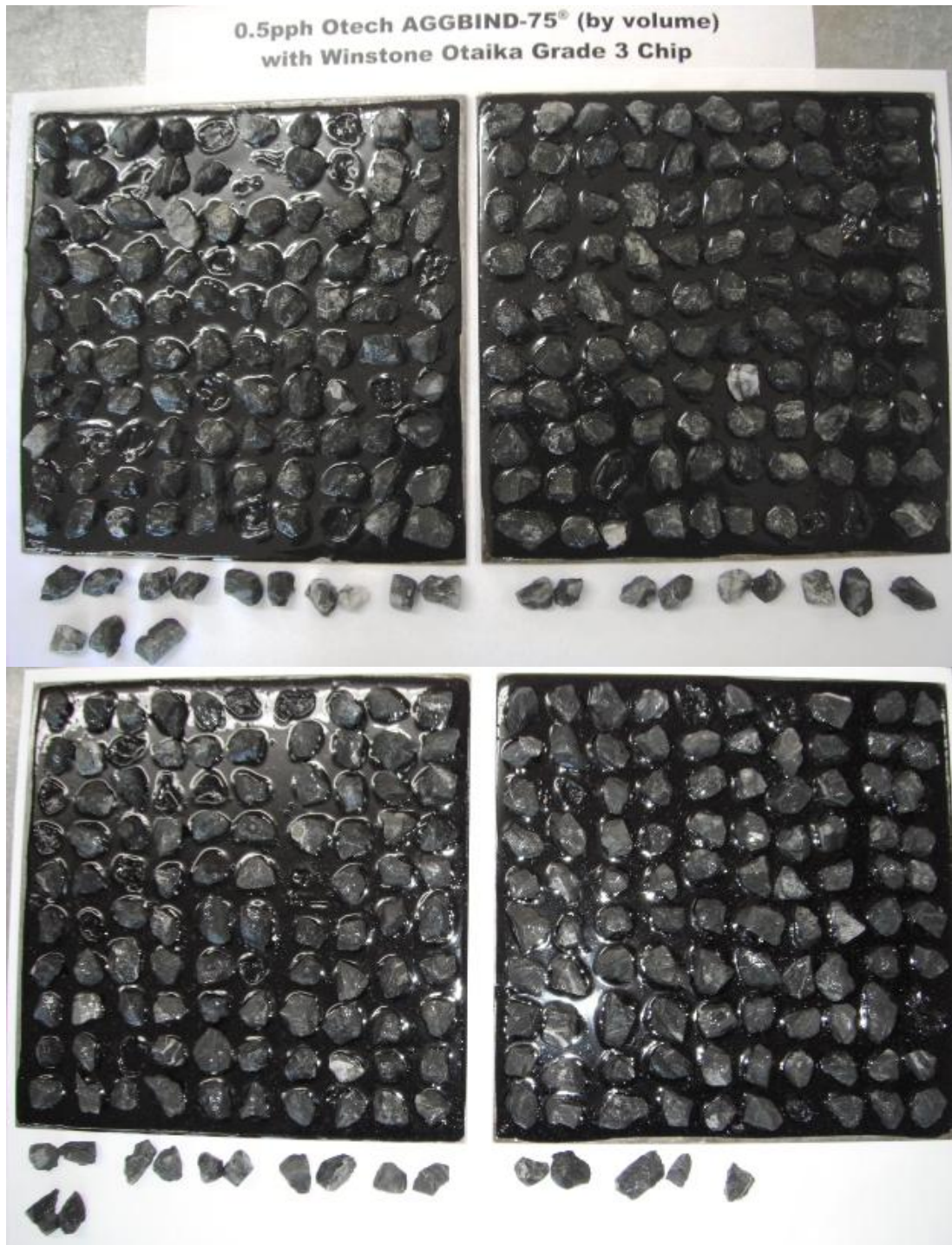


Figure 1. Photograph showing test plates with 180/200 bitumen and 0.5pph Otech AGGBIND-75® (by volume) after test was performed. Winstone Otaika Quarry grade 3 chip that was dislodged is arranged below the plates.