

**Boral Construction Materials
Materials Technical Services**

Unit 4, 3-5 Gibbon Road
Baulkham Hills NSW 2153 Australia
PO Box 400, Winston Hills NSW 2153

T: +61 (02) 9624 9900

F: +61 (02) 9624 9999

www.boral.com.au

TEST REPORT

CLIENT: VICTORIAN CHEMICAL CO. PTY LTD

PROJECT: Property Testing of Aggrebond SS Adhesion Agent

TEST PROCEDURE: RMS - Materials Test Methods Vol. 1

SPECIFICATION: RMS QA Specification 3269 Bitumen Adhesion Agent (For Polymer Modified Binder)

FILE NO: 782/18

REQUEST NO: 80258

Sample Description:			Aggrebond SS
Location:			Victorian Chemical
Job No:			51
Client Sample No:			BN 18080114
Date Sampled:			6.9.18
Date Received:			12.9.18
Laboratory Sample No:			210076
Test Method	Test	Spec.	Results
RMS T230	1. Binder: S35E + 0.5 % Aggrebond SS Aggregate: Dusty Emu Plains Precoated (% Stripped) Particle crumbled: 1 Softening point of binder: 52°C Oven temp. for 24 hrs conditioning: 72°C	Max. 10	4
	2. Binder: S35E + 0.5 % Aggrebond SS Aggregate: Saturated Surface Wet Emu Plains Precoated (% Stripped) Particle crumbled: 1 Softening point of binder: 52°C Oven temp. for 24 hrs conditioning: 72°C	Max. 10	2
	3. Binder: S35E + 0.5 % Aggrebond SS Aggregate: Dusty Mugga Precoated (% Stripped) Particle crumbled: Nil Softening point of binder: 52°C Oven temp. for 24 hrs conditioning: 72°C	Max. 10	Nil
	4. Binder: S35E + 0.5 % Aggrebond SS Aggregate: Saturated Surface Wet Mugga Precoated (% Stripped) Particle crumbled: Nil Softening point of binder: 52°C Oven temp. for 24 hrs conditioning: 72°C	Max. 10	2

Aggregate: Supplied & Precoated by Boral MTS LAB

Binders: S35E Supplied by SAMI

Adhesion Agent: Aggrebond SS ex Victorian Chemical Company

Precoat: 49.5% C170 ex SAMI + 49.5% Kerosene +1% Aggrebond PC ex Victorian Chemical

C. Leckie, File

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ACCREDITED FOR
TECHNICAL
COMPETENCE

Approved Signatory

Date 6.12.18

Serial No. 174840

Accredited for compliance with ISO/IEC 17025

NATA Accredited Laboratory

Number: 547


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Job No:			51
Client Sample No:			BN 18080114
Date Sampled:			6.9.18
Date Received:			12.9.18
Laboratory Sample No:			210076
Test Method	Test	Spec.	Results
RMS T230	1. Binder: S35E + 0.5 % Aggrebond SS Aggregate: Dusty Peats Ridge Precoated (% Stripped) Particle crumbled: Nil Softening point of binder: 52°C Oven temp. for 24 hrs conditioning: 72°C	Max. 10	Nil
	2. Binder: S35E + 0.5 % Aggrebond SS Aggregate: Saturated Surface Wet Peats Ridge Precoated (% Stripped) Particle crumbled: Nil Softening point of binder: 52°C Oven temp. for 24 hrs conditioning: 72°C	Max. 10	Nil
	3. Binder: S35E + 0.5 % Aggrebond SS Aggregate: Dusty Marrangaroo Precoated (% Stripped) Particle crumbled: Nil Softening point of binder: 52°C Oven temp. for 24 hrs conditioning: 72°C	Max. 10	12
	4. Binder: S35E + 0.5 % Aggrebond SS Aggregate: Saturated Surface Wet Marrangaroo Precoated (% Stripped) Particle crumbled: Nil Softening point of binder: 52°C Oven temp. for 24 hrs conditioning: 72°C	Max. 10	10

Material sampled by client

Aggregate: Supplied & Precoated by Boral MTS LAB

Binders: S35E Supplied by SAMI

Adhesion Agent: Aggrebond SS ex Victorian Chemical Company

Precoat: 49.5% C170 ex SAMI + 49.5% Kerosene +1% Aggrebond PC ex Victorian Chemical

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SPECIFICATION: RMS QA Specification 3269 Bitumen Adhesion Agent (For Polymer Modified Binder)

FILE NO: 782/18

REQUEST NO: 80258

Sample Description:			Aggrebond SS (Top)
Location:			Victorian Chemical
Job No:			51
Client Sample No:			BN 18080114
Date Sampled:			6.9.18
Date Received:			12.9.18
Laboratory Sample No:			210076
Test Method	Test	Spec.	Results
RMS T590 (Top)	1. Binder: S35E + 0.5 % Aggrebond SS Aggregate: Dusty Emu Plains Precoated (% Stripped) Particle crumbled: 1 Softening point of binder: 52°C Oven temp. for 24 hrs conditioning: 72°C	Max. 10	2
	2. Binder: S35E+ 0.5 % Aggrebond SS Aggregate: Saturated Surface Wet Emu Plains Precoated (% Stripped) Particle crumbled: Nil Softening point of binder: 52°C Oven temp. for 24 hrs conditioning: 72°C	Max. 10	Nil
	3. Binder: S35E + 0.5 % Aggrebond SS Aggregate: Dusty Mugga Precoated (% Stripped) Particle crumbled: Nil Softening point of binder: 52°C Oven temp. for 24 hrs conditioning: 72°C	Max. 10	Nil
	4. Binder: S35E + 0.5 % Aggrebond SS Aggregate: Saturated Surface Wet Mugga Precoated (% Stripped) Particle crumbled: Nil Softening point of binder: 52°C Oven temp. for 24 hrs conditioning: 72°C	Max. 10	Nil

Material sampled by client

Aggregate: Supplied & Precoated by Boral MTS LAB

Binders: S35E Supplied by SAMI

Adhesion Agent: Aggrebond SS ex Victorian Chemical Company

Precoat: 49.5% C170 ex SAMI + 49.5% Kerosene +1% Aggrebond PC ex Victorian Chemical

Remarks: RMS T590 – There was no presence of segregation, lumpiness, skin or settlement

Note: Test Method RMS T590 is not NATA certified.

C. Leckie, File


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SPECIFICATION: RMS QA Specification 3269 Bitumen Adhesion Agent (For Polymer Modified Binder)

FILE NO: 782/18

REQUEST NO: 80258

Sample Description:			Aggrebond SS Bottom
Location:			Victorian Chemical
Job No:			51
Client Sample No:			BN 18080114
Date Sampled:			6.9.18
Date Received:			12.9.18
Laboratory Sample No:			210076
Test Method	Test	Spec.	Results
RMS T590 Bottom	1. Binder: S35E + 0.5 % Aggrebond SS Aggregate: Dusty Emu Plains Precoated (% Stripped) Particle crumbled: 1 Softening point of binder: 52°C Oven temp. for 24 hrs conditioning: 72°C	Max. 10	2
	2. Binder: S35E+ 0.5 % Aggrebond SS Aggregate: Saturated Surface Wet Emu Plains Precoated (% Stripped) Particle crumbled: 1 Softening point of binder: 52°C Oven temp. for 24 hrs conditioning: 72°C	Max. 10	2
	3. Binder: S35E + 0.5 % Aggrebond SS Aggregate: Dusty Mugga Precoated (% Stripped) Particle crumbled: Nil Softening point of binder: 52°C Oven temp. for 24 hrs conditioning: 72°C	Max. 10	Nil
	4. Binder: S35E + 0.5 % Aggrebond SS Aggregate: Saturated Surface Wet Mugga Precoated (% Stripped) Particle crumbled: Nil Softening point of binder: 52°C Oven temp. for 24 hrs conditioning: 72°C	Max. 10	2

Material sampled by client

Aggregate: Supplied & Precoated by Boral MTS LAB

Binders: S35E Supplied by SAMI

Adhesion Agent: Aggrebond SS ex Victorian Chemical Company

Precoat: 49.5% C170 ex SAMI + 49.5% Kerosene +1% Aggrebond PC ex Victorian Chemical

Remarks: RMS T590 – There was no presence of segregation, lumpiness, skin or settlement

Note: Test Method RMS T590 is not NATA certified.

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Date Received:			12.9.18
Laboratory Sample No:			210076
Test Method	Test	Spec.	Results
RMS T230	1. Binder: S45R + 0.5 % Aggrebond SS Aggregate: Dusty Marrangaroo Precoated (% Stripped) Particle crumbled: Nil Softening point of binder: 57°C Oven temp. for 24 hrs conditioning: 77°C	Max. 10	4
	2. Binder: S45R + 0.5 % Aggrebond SS Aggregate: Saturated Surface Wet Marrangaroo Precoated (% Stripped) Particle crumbled: Nil Softening point of binder: 57°C Oven temp. for 24 hrs conditioning: 77°C	Max. 10	4

Material sampled by client

Aggregate: Supplied & Precoated by Boral MTS LAB

Binders: S45R Supplied by SAMI

Adhesion Agent: Aggrebond SS ex Victorian Chemical Company

Precoat: 49.5% C170 ex SAMI + 49.5% Kerosene +1% Aggrebond PC ex Victorian Chemical

C. Leckie, File

Alex Liu