

ROADS & MARITIME SERVICE
Materials Technology Unit
Unit H, 75 St.Hilliers Rd. Auburn. NSW. 2144.
(Ph. 8745-6040. Fax. 8745-6093)

TEST REPORT



Client: Christopher Leckie, Victorian Chemical Co. Pty. Ltd.
Address: 83 Maffra St, Coolaroo, Victoria, 3048, Australia
Reference: Aggrebond SS
Project: High Temperature Effectiveness Modified T230
Location: N/A

Project No: S003782
Date Testing Started: 23/10/2013
Date Testing Complete: 12/11/2013
Checked by: A.L.
Date: 12/11/2013

Results for MODIFIED RTA T230 - Resistance to Stripping of Aggregates & Binders.

Temperature of oven conditioning Number of days after adhesion agent was added to binder AND number of days curing in oven at temperature above Standard Aggregate Type. Sample No. Condition of Aggregate Precoat Material. Binder Type. Binder Source. Softening Pt. Of Binder DegC. (RTA T505) Oven Temp. for 24 hr. coditioning. DegC. Binder Adhesion Agent Number Binder Adhesion Agent Source. Type Binder Adhesion Agent % Binder Adhesion Agent in Bitumen. (Adhesion agent blended with Class C170 Bitumen to AS2008 at 0.5% v/v.) % Stripped. Tendency for particles to crumble when being pulled from the plate?	No conditioning. Prepared as standard T230		160°C				
	Control 1 (day 0) with NO adhesion agent	Control 2 (day 0) with NO adhesion agent	Initial (day 0)	1 day	7 days	8 days	14 days
Basalt	Basalt	Basalt	Basalt	Basalt	Basalt	Basalt	Basalt
(210/03)	(210/03)	(210/03)	(210/03)	(210/03)	(210/03)	(210/03)	(210/03)
Clean & Dry	Clean & Dry	Clean & Dry	Clean & Dry	Clean & Dry	Clean & Dry	Clean & Dry	Clean & Dry
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
C170	C170	C170	C170	C170	C170	C170	C170
Caltex	Caltex	Caltex	Caltex	Caltex	Caltex	Caltex	Caltex
47	47	47	47	47	47	47	47
67	67	67	67	67	67	67	67
N/A	N/A	3782/01	3782/01	3782/01	3782/01	3782/01	3782/01
N/A	N/A	Victorian Chemical Company	Victorian Chemical Company	Victorian Chemical Company	Victorian Chemical Company	Victorian Chemical Company	Victorian Chemical Company
NIL	NIL	Aggrebond SS	Aggrebond SS	Aggrebond SS	Aggrebond SS	Aggrebond SS	Aggrebond SS
0	0	0.5	0.5	0.5	0.5	0.5	0.5
16	14	0	0	0	2	0	0
No	No	No	No	No	No	No	No

A.Liu.
Scientific Officer
Date 12/11/13

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Results for MODIFIED RTA T230 - Resistance to Stripping of Aggregates & Binders.

Temperature of oven conditioning	No conditioning. Prepared as standard T230		180°C				
	Control 1 (day 0) with NO adhesion agent	Control 2 (day 0) with NO adhesion agent	Initial (day 0)	1 day	7 days	8 days	14 days
Number of days after adhesion agent was added to binder AND number of days curing in oven at temperature above							
Standard Aggregate Type.	Basalt	Basalt	Basalt	Basalt	Basalt	Basalt	Basalt
Sample No.	(210/03)	(210/03)	(210/03)	(210/03)	(210/03)	(210/03)	(210/03)
Condition of Aggregate	Clean & Dry	Clean & Dry	Clean & Dry	Clean & Dry	Clean & Dry	Clean & Dry	Clean & Dry
Precoat Material.	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Binder Type.	C170	C170	C170	C170	C170	C170	C170
Binder Source.	Caltex	Caltex	Caltex	Caltex	Caltex	Caltex	Caltex
Softening Pt. Of Binder DegC. (RTA T505)	47	47	47	47	47	47	47
Oven Temp. for 24 hr. conditioning. DegC.	67	67	67	67	67	67	67
Binder Adhesion Agent Number	N/A	N/A	3782/01	3782/01	3782/01	3782/01	3782/01
Binder Adhesion Agent Source.	N/A	N/A	Victorian Chemical Company	Victorian Chemical Company	Victorian Chemical Company	Victorian Chemical Company	Victorian Chemical Company
Type Binder Adhesion Agent	NIL	NIL	Aggrebond SS	Aggrebond SS	Aggrebond SS	Aggrebond SS	Aggrebond SS
% Binder Adhesion Agent in Bitumen.	0	0	0.5	0.5	0.5	0.5	0.5
(Adhesion agent blended with Class C170 Bitumen to AS2008 at 0.5% v/v.)							
% Stripped.	16	14	0	0	0	6	0
Tendency for particles to crumble when being pulled from the plate?	No	No	No	No	No	No	No


 A.Liu.
 Scientific Officer
 Date 12/11/13