

SIRIM QAS International Sdn.Bhd. (Company No.: 410334-X)  
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## TEST REPORT

REPORT NO.: 2013CB1534

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Applicant : CARBONCOR SDN. BHD.  
Lot K06-10, No: 2, Jalan Solaris,  
Solaris Mont Kiara,  
50480 Kuala Lumpur

Manufacturer : CARBONCOR SDN. BHD.  
Lot 9074, Jalan Udang Gantung,  
Kampung Telok Gong  
42000 Pelabuhan Klang  
Selangor Darul Ehsan

Product : Carboncor All Road Surfacing

Reference Standard/  
Method of test : 1) ASTM D1075 - 11 Standard Test Method for Effect of Water on Compressive  
Strength of Compacted Bituminous Mixtures  
2) ASTM D2172 / D2172M - 11 Standard Test Methods for Quantitative Extraction  
of Bitumen From Bituminous Paving Mixtures  
3) ASTM D2726 - 11 Standard Test Method for Bulk Specific Gravity and Density  
of Non-Absorptive Compacted Bituminous Mixtures  
4) ASTM D6927 - 06 Standard Test Method for Marshall Stability and Flow of  
Bituminous Mixtures  
5) ASTM D2041 / D2041M - 11 Standard Test Method for Theoretical Maximum  
Specific Gravity and Density of Bituminous Paving Mixtures  
6) ASTM D422 - 63(2007) Standard Test Method for Particle-Size Analysis of  
Soils

Description of sample : One (1) type of 25 kg bag Carboncor All Road Surfacing was received for testing.  
Model : Cold Mixed

Date received : 13<sup>th</sup> March 2013

Job no./Ref. no. : J20131431534/SQAS/CCST/T.REC/CSL/19

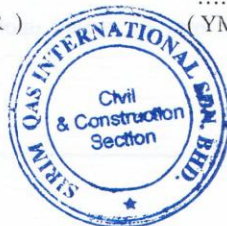
Issued date : 05 APR 2013

Approved Signatories

( HANON NAZIR MOHD BASIR )  
Senior Technical Executive

( YM RAJA NOR SIHA RAJA ABD. HANAN )

Head  
Civil & Construction Section  
Testing Services Department



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### TEST RESULT :

Product : Carboncor All Road Surfacing  
Model : Cold Mixed

No.	Standard Test Methods	Test Items Properties	Test Results
1.	ASTM D2726 - 11 Standard Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures	Density (Bulk Specific Gravity), mg/m <sup>3</sup>	<b>1.929 mg/m<sup>3</sup></b>
2.	ASTM D2041 / D2041M - 11 Standard Test Method for Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures	i) Maximum Theoretical Specific Gravity (Rice Methods) ii) Air Voids in mix, (%)	<b>2.050</b> <b>5.90 %</b>
3.	ASTM D6927 - 06 Standard Test Method for Marshall Stability and Flow of Bituminous Mixtures	i) Marshall Stability, kN ii) Marshall Flow, mm iii) Stability / Flow (Bearing Capacity), kN/mm	<b>8.5 kN</b> <b>3.25 mm</b> <b>2.6 kN/mm</b>
4.	ASTM D1075 - 11 Standard Test Method for Effect of Water on Compressive Strength of Compacted Bituminous Mixtures	Immersion Index, (%)	<b>85.1 %</b>

Note: Test conducted by Ikram Paves Sdn Bhd, Kajang, Selangor on 11<sup>th</sup> March 2013 to 15<sup>th</sup> March 2013 in accordance to ASTM standard and witnessed by representative from SIRIM QAS International Sdn Bhd.



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### TEST RESULT :

Product : Carboncor All Road Surfacing  
Model : Cold Mixed

No.	Standard Test Methods	Test Items Properties	Test Results
5.	ASTM D2172 / D2172M - 11 Standard Test Methods for Quantitative Extraction of Bitumen From Bituminous Paving Mixtures	Extraction of Bitumen, %	7.30 %
6.	ASTM D422 - 63(2007) Standard Test Method for Particle-Size Analysis of Soils	i) Percentage Retained, % ii) Percentage Bitumen, % iii) Filler/Binder Ratio	5.60 % 7.30 % 1.0

Note: Test conducted by Ikram Paves Sdn Bhd, Kajang, Selangor on 11<sup>th</sup> March 2013 to 15<sup>th</sup> March 2013 in accordance to ASTM standard and witnessed by representative from SIRIM QAS International Sdn Bhd.



05 APR 2013