

## Declaration of Performance

DoP/CQ/M5213

1	Unique identification of the product-type																		
	<b>M5213</b> Carnsew Quarry																		
2	Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4)																		
	<b>Asphaltic Concrete</b> <b>AC 32 dense base 160/220 rec</b>																		
3	Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:																		
	<b>Bituminous Mixtures : Asphaltic Concrete : Base</b>																		
4	Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):																		
	<b>Colas Ltd, Rowfant, Crawley, West Sussex RH10 4NF</b>																		
5	Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):																		
	<b>Not Applicable</b>																		
6	System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:																		
	<b>System 2+</b>																		
7	In case of the declaration of performance concerning a construction product covered by a harmonised standard: Notified factory production control certification body No. 0086 performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control number 0086-CPD-590156.																		
8	Not Applicable																		
9	Declared Performance																		
	Essential characteristics	Performance	Harmonised Technical Specification EN 13108-1 2006																
	1. Adhesion of binder to aggregate 2. Stiffness 3. Resistance to permanent deformation 4. Resistance to fatigue 5. Skid resistance 6. Resistance to abrasion 7. Reaction to Fire 8. Dangerous substances 9. Durability 10. Noise Absorption																		
	2, 3, 4, 5, 9, 10	<p style="text-align: center;">Target grading passing sieve</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Sieve (mm)</th> <th>Passing (%)</th> </tr> </thead> <tbody> <tr><td>40</td><td>100</td></tr> <tr><td>31.5</td><td>99</td></tr> <tr><td>20</td><td>86</td></tr> <tr><td>6.3</td><td>52</td></tr> <tr><td>2</td><td>32</td></tr> <tr><td>0.25</td><td>11</td></tr> <tr><td>0.063</td><td>6</td></tr> </tbody> </table>	Sieve (mm)	Passing (%)	40	100	31.5	99	20	86	6.3	52	2	32	0.25	11	0.063	6	EN 12697-1: 2012
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40	100																		
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	1, 2, 3, 4, 5, 6, 9, 10	Target binder content (%)	4 EN 12697-2: 2002																
	1, 2, 3, 4, 5, 9, 10	Minimum void content	NPD EN 12697-8: 2003																
		Maximum void content	NPD EN 12697-8: 2003																
	2, 3, 4, 5, 9, 10	Maximum Voids filled with Bitumen	NPD EN 12697-8: 2003																
		Minimum Voids filled with Bitumen	NPD EN 12697-8: 2003																
		Minimum Voids in Mineral Aggregate	NPD EN 12697-8: 2003																
	3	Minimum Marshall Stability	NPD EN 12697-34: 2012																
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		Minimum Marshall Flow	NPD EN 12697-34: 2012																
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		Minimum MQ	NPD EN 12697-34: 2012																
		Maximum MQ	NPD EN 12697-34: 2012																
		Resistance to Permanent Deformation	NPD EN 12697-2: 2003																
	1, 9	Water sensitivity	NPD EN 12697-12: 2008																
	1, 2, 3, 4, 9	Minimum temperature (°C)	130 EN 12697-13: 2000																
		Maximum Temperature (°C)	170 EN 12697-13: 2000																
	2, 9	Minimum Stiffness	NPD EN 12697-26: 2012																
		Maximum Stiffness	NPD EN 12697-26: 2012																
	3, 9	Maximum creep rate	NPD EN 12697-25: 2005																
	4, 9	Resistance to fatigue	NPD EN 12697-24: 2012																
	6, 9	Resistance to abrasion	NPD EN 12697-16: 2004																
	7, 9	Reaction to Fire	NPD EN ISO 11925-2																
	8, 9	Dangerous substances	NPD As required																
	9	Mixture SATS durability index	NPD EN 12697-45: 2012																
	9	Low temperature property	NPD EN 12697-46: 2012																
	9	Fracture toughness	NPD EN 12697-44: 2010																
	9	Resistance to fuel for application on airfields	NPD EN 12697-43: 2005																
	9	Resistance to de-icing fluids for application on airfields	NPD EN 12697-41: 2005																
	1, 4	Binder Drainage	NPD EN 12697-18: 2004																
10	The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.																		
	Signed for and on behalf of the manufacturer by:																		
	Name & Function	Carl Fergusonson	Director - Airports, Asphalt & projects																
	Place & Date of Issue	Carnsew Quarry	07 July 2014																
	Signature																		