Declaration of Performance

DoP/CQ/M5212

1	Unique identification of the product-type **M5212** Carnsew Quarry
2	Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) **Asphaltic Concrete** **AC 32 dense base 100/150 rec**
3	Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: **Bituminous Mixtures : Asphaltic Concrete : Base**
4	Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5): **Colas Ltd, Rowfant, Crawley, West Sussex RH10 4NF**
5	Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): **Not Applicable**
6	System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V: **System 2+**
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	Target grading passing sieve		EN 12697-1: 2012
	Sieve (mm)	Passing (%)	
	40	100	
	31.5	99	
	20	86	
	6.3	52	
	2	32	
	0.25	11	
	0.063	6	
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
	Maximum Marshall Stability	NPD	EN 12697-34: 2012
	Minimum Marshall Flow	NPD	EN 12697-34: 2012
	Maximum Marshall Flow	NPD	EN 12697-34: 2012
	Minimum MQ	NPD	EN 12697-34: 2012
	Maximum MQ	NPD	EN 12697-34: 2012
	Resistance to Permanent Deformation	NPD	EN 12697-22: 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 Fergusson	Director - Airports, Asphalt & projects
Place & Date of Issue	Carnsew Quarry	07 July 2014
Signature		