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EXPERT APPRAISAL

Customer's name and address: Chipex Ltd.
Unit 10
Thorpe Way
Thorpe Way Industrial Estate
Banbury
Oxon
OX 164 SP

Date of charge: 09/2011

Subject of order: Examination of paint coat system by order

Description of sample: Chipex Stone Chip Repair System / Paint (2 types)
- paint: Aston Martin 1353 / Alfa 5289/A
- Blend
- Polish





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Date of testing:

10/10/2011 – 03/11/2011

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- Technological description
- Labelling

Applied technologies:

- Plate cleaning, removing grease
- Coating with paint
- Polishing after paint drying

TEST RESULTS

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Appellation:	Chipex Stone Chip Repair System / Paint	
	Aston Martin 1353 black	Alfa 5289/A bourdon
Packing:	Metal bottle with screw-cap, paper labelling on the side	
Total weight: (test sample)	78.8 g	80.3 g

Liquid characteristics:

TEST PARAMETER	TEST RESULT		TEST METHOD
Non-volatile part:% (m/m) (125 °C, 1 h)	27.3	28.2	EN ISO 3251:2009
Pigment content by cremation:	1.9	1.9	EN ISO 14680-2:2006
Density: g/cm ³ (25 °C)	0.910	0.911	EN ISO 2811-1:2001
V.O.C content, g/l:	661.6	654.1	EN ISO 11890-1:2008
Rubbing fineness: µm	10	10	EN ISO 1524:2002
Covering ability: g/m ²	80	170	MSZ 9650/22:1989

Characteristics of the coat made from the product:

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TEST PARAMETER	TEST RESULT		TEST METHOD
Surface drought, min (20 °C):	10	10	ISO 1517:1993
Dried condition:	2 h	2 h	ISO 9117:1993*
Layer thickness/layer: using applicator	30	30	EN ISO 2808:2007
Brightness: - Probe (60°):	43.4	31.6	EN ISO 2813:2000
Brightness after polishing - Probe (60°): - Probe (20°):	89.5 78.1	82.7 69.5	EN ISO 2813:2000
Adherence by grid cutting - on steel specimen	5 degree	5	EN ISO 2409:2007
Watertightness: 24 h	unchanged	unchanged	EN ISO 2812-2:1998
Colour co-ordinates (D65/10) L*: a*: b*:	12.17 -0.05 -1.96	29.39 34.94 14.49	MSZ 9619/3:1978

Bright resistance Xenotest Alpha instrument:

Testing time: 300 h
 Irradiation: 62340 KJ/m²
 Filter: 7w IR filter
 E: 58 W/m²
 RH: 15 %
 CHT: 70 °C
 BST: 95



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TEST PARAMETER	TEST RESULT		TEST METHOD
Bright resistance:	2.963 -0.395 -2.502 -1.537 -2.901 slightly darker, faded	4.844 4.778 -0.228 -0.764 0.691 lighter, faded	EN ISO 11341:2000



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TEST RESULTS

Appellation:	Chipex Stone Chip Repair System / Blend
Packing:	Plastic bottle with screw-cap
Total weight:	74.3 g

TEST PARAMETER	TEST RESULT	TEST METHOD
Refraction coefficient	1.4517	
Density: (20 °C)	0.801	MSZ ISO 2811-1:2001

Appellation:	Chipex Stone Chip Repair System / Polish
Packing:	Plastic bottle with screw-cap
Total weight:	88.9 g

TEST PARAMETER	TEST RESULT	TEST METHOD
Non-volatile part: % (m/m) (125 °C, 1 h)	13.5 ± 5 re%	EN ISO 3251:2009
Pigment content by cremation:	11.0 ± 5 re%	EN ISO 14680-2:2006
Density: (20 °C)	1.048 ± 5 re%	ISO 2811-1:2001
Rubbing fineness: µm	10 µm ± 5 re%	EN ISO 1524:2002

TEST PARAMETER	TEST RESULT	TEST METHOD
Conditioning:	120 h at normal climate /23 ± 2 °C, 45 ± 5 rel.% moisture/	EN 23270:1993

The samples were used during the examination.



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Evaluation:

We state on the basis of the executed tests that the paint can quickly dry, it has an excellent covering ability. It can be easily polished. It is water- and weatherproof.

We would like to emphasize that the manual and the video give the customer clear, unequivocal instructions for use.

It is suitable for repairing flaking off parts of paints.

Gabriella Süvegesné Váradi
Head of Department



György Magasházy
technical expert

Warning:

The test results can be applied to the examined product.
The test report can only be copied in full content,
The drawer's written permission is needed for extracting