

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <b>Accredited to ISO/IEC 17025:2005</b>	<b>The Paint Research Association</b>	
	<b>Issue No: 029    Issue date: 22 September 2011</b>	
	<b>14 Castle Mews High Street Hampton Middlesex TW12 2NP</b>	<b>Contact: Mr P Collins Tel: +44 (0)20 8487 0800 Fax: +44 (0)20 8487 0801 E-Mail: p.collins@pra-world.com Website: www.pra-world.com</b>
<b>Testing performed by the Organisation at the locations specified below</b>		

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details	Activity	Location code
<b>Address</b> 14 Castle Mews High Street Hampton Middlesex TW12 2NP	<b>Local contact</b> Contact: Mr P Collins  Tel: +44 (0)20 8487 0800 Fax: +44 (0)20 8487 0801 Email: p.collins@pra-world.com Website: www.pra-world.com	Chemical Products Environmental Samples  A

#### Site activities performed away from the locations listed above:

Location details	Activity	Location code
Any premises	Environmental Samples	B



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
PAINTS, VARNISHES and SIMILAR MATERIALS	<u>Physical Tests</u>		
	Flow time of paints using flow cups	BS 3900:Part A6:1971 (withdrawn) BS EN ISO 2431:1996	A
	Deutsche Normen: Din 4 flow cup	DIN 53211:1987	A
	Viscosity by ford viscosity cup	ASTM D1200-94 (1999)	A
	Viscosity by dip-type viscosity cups	ASTM D4212-99	A
	Viscosity at a high rate of shear	BS 3900:Part A7.1:2006 BS EN ISO 2884-1:2006	A
	Volume of Dry coating	BS 3900:Part A10:1998 ISO 3233:1998	A
	Density by pyknometer method	BS EN ISO 2811-1:2001	A
	Coating of test panels at specified spreading rate	BS 3900:Part A17:1986(1996) ISO 7877:1984	A
	Non volatile matter	BS EN ISO 3251:2008	A
	Surface drying time	BS 3900:Part C2:1994 ISO 1517:1973	A
	Flashpoint 0°C to 100°C	BS EN 456 (1991) ISO 3679:1983	A
	Determination of through-dry state and through-dry time	BS EN ISO 9117:2009	A
	Film thickness	BS 3900:Part C5:2007 BS EN ISO 1524:2007	A
Visual comparison of colour	BS 3900:Part D1:1998 BS EN ISO 3668:2001	A	
Contrast ratio hiding power	BS 3900:D4:2006 BS EN ISO 2814:2006	A	



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PAINTS, VARNISHES and SIMILAR MATERIALS (cont'd)	<u>Physical Tests</u> (cont'd)		
	Specular gloss of non metallic paint film at 20° and 60°	BS 3900:Part D5:1997 BS EN ISO 2813:2000	A
	Contrast ratio (opacity)	BS 3900:Part D11:2007 ISO 6504-3:2007	A
	Determination of Hiding power	BS 3900:Part D7:1983 ISO 6504/1:2006	A
	Determination of colour and colour difference	BS 3900:Part D9:1986(1991) ISO 7724/2:1984	A
	Bend test (cylindrical mandrel)	BS 3900:Part E1:2011 BS EN ISO 1519:2011	A
	Bend test (conical mandrel)	BS 3900:Part E11:2006 BS EN ISO 6860:2006	A
	Mandrel bend test of attached organic coatings	ASTM D522-93a	A
	Scratch	BS 3900:Part E2:1992(1998) BS EN ISO 1518:2001	A
	Cupping test	BS EN ISO 1520:2006	A
	Pendulum damping test	BS EN ISO 1522:2006	A
	Cross cut test	BS 3900:Part E6:2007 BS EN ISO 2409:2007	A
	Pull off Test	BS EN 4624:2003 ISO 4624:2003	A
	Falling weight - Impact resistance	BS 3900:Part E13:2004 BS EN ISO 6272-1:2004	A
Resistance to humidity	BS 3900:Part F2:1973(1989)	A	
Natural Weathering test	ISO 2810:2004	A	



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PAINTS, VARNISHES and SIMILAR MATERIALS (cont'd)	<u>Physical Tests</u> (cont'd)		
	Resistance to humid atmospheres containing sulphur dioxide	BS 3900:Part F8:1993 (withdrawn) BS EN ISO 3231:1998 ISO 3231:1993	A
	Resistance to humidity (continuous condensation)	BS 3900:Part F9:2001 BS EN ISO 6270-1:2001	A
	Resistance to neutral salt spray	BS EN ISO 9227:2006	A
	Salt spray (fog) testing	ASTM B117-09	A
	Determination of resistance to liquids	ISO 2812-1:2007 ISO 2812-2:2007 ISO 2812-3:2007 ISO 2812-4:2007	A
	Designation for the degree of blistering	BS 3900:Part H2:2003 BS EN ISO 4628-2:2003	A
	Designation of the degree of rusting	BS 3900:Part H3:2003 BS EN ISO 4628-3:2003	A
	Designation of the degree of cracking	BS 3900:Part H4:2003 BS EN ISO 4628-4:2003	A
	Designation of the degree of flaking	BS 3900:Part H5:2003 BS EN ISO 4628-5:2003	A
	Standard practice for operating light and water exposure apparatus (fluorescent UV - Condensation type) for exposure of non metallic material	ASTM D4587-05 ASTM G154-06 BS 3900:Part F16:2007 BS EN ISO 11507:2007	A
Abrasion resistance of organic coatings by the Taber abraser	ASTM D4060-10 BS 3900:Part E15:2006 BS EN ISO 7784-2:2006	A	
Scrub Test	ASTM D2486-06 BS EN ISO 11998:2006	A	



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PAINTS, VARNISHES and SIMILAR MATERIALS (cont'd)	<u>Physical Tests</u> (cont'd)		
	Resistance to chipping	BS AU 148:Part 15:1969(1990)	A
	Determination of mar resistance using a curved stylus	BS 3900:Part E17:1997 BS EN ISO 12137-1:2006	A
	Resistance of organic coatings to the effects of rapid deformation (impact)	ASTM D2794-93(1999)	A
	Cyclic prohesion/UV	BS 3900:Part F19:2006	A
	Prohesion	ASTM G85, 2009 Annex A5	A
	Water borne emulsion paints for interior use	BS 7719:1994, excluding Clause 8.9	A
	Coating material and coating systems for wood, Part 3 Natural Weathering:	BS EN ISO 927-3:2006	A
	Coating material and coating systems for wood, Part 5	BS EN 927-5:2006	A
	Degree of chalking by tape method	BS EN ISO 4628-6:2007 BS 3900-H6:2007	A
Determination of kinematic viscosity and calculation of dynamic viscosity	ISO 3104:1994	A	
Artificial weathering and exposure to artificial radiation Exposure to filtered xenon-arc radiation	BS EN ISO 11341:2004	A	
Filter papers and filter assemblies from stack sampling probes	<u>Physical Tests</u> Weighing of Particulate Matter	BS 6069:1992 (superseded) (PT02)	A



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Testing of Stack Emissions to Atmosphere	<u>Sampling and On-Line Analysis</u>	National, International and other recognised standards using documented In-House work instructions to meet the requirements of DD CEN/TS 15675:2007/ BS EN 15259:2007	
	Total Gaseous Organic* Carbon (TOC/VOC) (20 to 500 mg/m <sup>3</sup> )	BS EN 13526:2002 (VOV01 - FID Analyser)	B
	<u>Sampling with subsequent analysis</u>		
	Total Particulate Matter (0 to 50 mg/m <sup>3</sup> )	BS EN 13284-1:2002 (PT04)	A, B
	Total Particulate Matter (20 to 1000 mg/m <sup>3</sup> )	BS ISO 9096:2003 (PT04)	A, B
END			