

JOHN ASHWORTH & PARTNERS Ltd.

*Investigation Services
Paints, Floorings, Chemical Analysis*

*Unit 2, Park Road Business Centre
Park Road
Bacup
Lancashire
OL13 0BW
Tel: 01706 879544
Email: info@johnashworthltd.co.uk
Website: www.johnashworthltd.co.uk*

REPORT

Prepared for **Rebound Squash
Unit 6, Lot 12
Jackson Meadows
Station Road
Oldham
OL4 4QN**

Subject **WSF Matt White Emulsion
Batch 21565**

Report No. **R3156/21 – Final Report**

Date **26th July, 2021**

*Services:- Chemical Analysis, On-Site Investigations, Expert Witness, Problem Solving, Research and Development, Innovation
Area of Expertise:- Solvents, Paints, Coatings, Plastics, Rubbers, Building Materials, Flooring
D.T.I. S.M.A.R.T. Award Winners 1989, 1992 and 1994
Clean Technology Award Winners 1990 Conservation Award Winners 1990*

Company No. 4140217 V.A.T. Reg. No. 408 2338 67

The following sample was submitted for testing in June 2021.

Rebound Squash WSF Matt White Emulsion Batch 21565 (Our Lab Ref. M772)

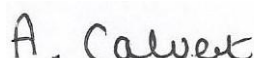
Results

Test	Method	M772
In can appearance	STM1	Good, even, 4
Structure	STM2	Gelled, 3
Syneresis	STM3	None, 6
Non Drip Properties	STM5	Yes
Odour	STM6	Negligible, 4
Brookfield viscosity 1rpm 100rpm	STM9	235,000cps 7,400cps
S.G.	ISO 2811-01	1.443
Contrast ratio	BS3900-D4	91.79
Whiteness	DIN 53778	94.8
Mudcrack	STM19	0
Sheen 85°	ISO 2813	1.9
Scrub resistance	ISO 11998	6.1 micron Class 2
Water spot	STM25	n/a
Burnishing index	STM28	1.9→3.7
Cross Hatch Adhesion	ISO 2409 (alkyd & cement board)	Class 0
Stain Resistance	ASTM D3258	1.4
Stain Resistance	Synthetic Soil	Class 4
Pencil Hardness	ISO 15184	3H
Roller opacity - plasterboard (1 & 2cts)	STM31	3, 5-6
Roller texture	STM31	3
Roller spatter	STM29	1
Roller Spread Rate	STM31	14.7m²/l
Brush opacity - plasterboard (1 & 2cts)	STM31	3, 5-6
Brush texture	STM31	3-4
Brush Spread Rate – plasterboard	STM31	20.6m²/l
% Non Volatiles Content	ISO 3251 (Tested in duplicate)	59.07% & 58.97%
% Ash Content	STM8	42.3%

Report checked by :



John Ashworth MPRI PhD
Principal



Angela Calvert
Technologist

Appendix

Explanation of Tests

Contrast Ratio (BS3900 D4)	Ratio of reflectance of 100µ w.f.t. film over black and white cards respectively (whites only)
Whiteness	Reflectance value of opaque film (350µ)
Scrub resistance	Class 1 <5.0µ lost after 200 cycles Class 2 5.0 – 20.0µ lost after 200 cycles Class 3 20.0 – 70.0µ lost after 200 cycles Class 4 <70.0µ lost after 40 cycles Class 5 >70.0µ lost after 40 cycles
Water Spot	Droplet of water applied to dry film & visually assessed after 1 hour (over primed wood)
Roller spatter	Visual assessment of spatter collected on black card Rating 1 = heaviest; 9 = lowest
Roller and Brush opacity	Practical opacity over striped plasterboard Rating 1 = worst; 8 = total
Roller and Brush Texture	Practical assessment over plasterboard Rating 1 = worst; 4 = best
Stain retention	Loss of whiteness when stained with standard grey ink
Practical Stain retention	Droplet of stain left on surface for 5 minutes & wiped off Rating 1 = worst; 5 = best (no stain)
Burnishing	increase in sheen (85°) when rubbed with standard cloth for 30 cycles
Mudcrack	1200 microns wet film drawdown onto plasterboard & degree of cracking assessed after 3 days drying on a 0-5 scale (0 = no cracking, 5 = worst)
Mar	Resistance to marking with wooden tool – increase in whiteness
Cross Hatch Adhesion	Tested on primed wood Rating Class 0 = no removal; Class 5 = total removal

TERMS AND CONDITIONS OF TRADING

1. It is the customer's responsibility to ensure that all relevant data is provided prior to estimates being given or work commenced.
2. All information is offered in good faith and is believed to be reliable, as are any samples supplied. However, as scientific data is often open to differing interpretations, no responsibility can be accepted for any inaccuracies and it is the customer's responsibility to satisfy themselves as to its suitability for their end-use.
3. We reserve the right to request payment in advance when dealing with new clients.
4. Normal credit terms – 30 days from date of invoice.
5. If this test report is to be reproduced, it should be done in full & with our permission.
6. These results relate only to the sample tested.
7. The laboratory has a policy in place to protect customer confidentiality and impartiality.
8. As part of our Data Compliance Policy (GDPR) at John Ashworth & Partners Ltd, we will retain your personal information to enable us to continue to deliver consultancy/testing services to you and your organisation. You may withdraw your consent to this at any time by contacting us. We will usually retain your details on our system for a period of 6 years or until such a time as you formally request your personal data to be erased.

*John Ashworth & Partners Limited
Unit 2
Park Road Business Centre
Park Road
Bacup
Lancashire
OL13 0BW*

Tel: 01706 879544

*email: info@johnashworthltd.co.uk
website: www.johnashworthltd.co.uk*