



TEST REPORT

Client: Resimac Ltd

Product: Resichem 507 DWPU Grey

Tests Undertaken: BS 6920 Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water

Report Number: MAT/LAB 627L

Date of Report: 21st March 2017

Unit 30 Fern Close | Pen-y-Fan Industrial Estate | Oakdale | Gwent | NP11 3EH | UK

Tel: +44 (0) 1495 236 260 | Fax: +44 (0) 1495 242 499

Email: nsfwrc@nsf.org | Website: www.nsfwrc.org



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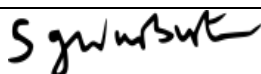
1. EXECUTIVE SUMMARY

Test	Result
Odour and flavour of water	Pass
Appearance of water	Not applicable
Growth of aquatic microorganisms	Not applicable
The extraction of substances that may be of concern to public health	Not applicable
Extraction of metals	Not applicable

PAS/FAIL STATEMENT

Limited testing was undertaken on this product in accordance with the WRAS Guidance Notes, Table 1, (Change of colour). Related test report MAT/LAB 626L

This product has satisfied the criteria set out in BS 6920: Part 1: 2014, Clause 4 and thus is suitable for use with cold water but not hot water.



Mr Simon Warburton, Laboratory Director

Date: 21st March 2017

Please note the following statements

- a) The samples of the product referred to in this report have been tested in accordance with the methods specified in BS 6920 Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water.
- b) This work has been undertaken in the UKAS accredited laboratory of NSF Wales Ltd Oakdale, UKAS registration number 0626, unless otherwise stated. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.
- c) The results specified in this report relate only to the samples(s) of this product submitted for testing. Any changes in the nature or source of ingredients and the process of manufacturer or application could affect the suitability of this product for use in contact with potable water.
- d) We draw to your attention that reports issued by the accredited test laboratories do not of themselves constitute approval by the Water Regulations Advisory Scheme or the test laboratory. Only a letter from the Scheme, citing a Directory Reference number can be regarded as indicating approval.
- e) Materials and products intended for use by a public water supply company in the preparation or conveyance of water may need to satisfy more comprehensive toxicological requirements as specified by the Drinking Water Inspectorate. These additional requirements are necessary to ensure Water Company usage complies with Regulation 31 of the Water Supply (Water Quality) Regulations 2010.

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Test Criteria: BS 6920

2. SAMPLES FOR TESTING

BS 6920: Part 2: Section 2.1 and in-house method PROC/MAT 001.

Contact name	Matthew Mcdonnell
Name of organisation	Resimac Ltd
Address	Unit 11, Polars Industrial Estate Boroughbridge YO51 9HS

Product	Resichem 507 DWPU Grey
Product manufacturer	Resimac Ltd
Submitting organisation	Resimac Ltd
Product manufacturing site	UK
Method of manufacture	Blending

Trade name and reference of product	Resichem 507 DWPU Grey
General nature of product	Polyurethane coating
Typical use of the product	Coating for use in contact with potable water

Receipt conditions	In good condition
Receipt packaging	In good condition
Storage conditions	As in BS 6920: Part 2: Section 2.1: Clause 5.2
Description/appearance of the product for testing	Part A = Grey liquid Part B = Amber liquid Grey coating when mixed

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Surface area of one article	7,500 mm ²
Number of articles constituting a sample	2
Surface area for test	15,000 mm ²
Calibration mark of test container	1 L

Test sample preparation
Resichem 507 DWPU Grey parts A and B were thoroughly stirred and mixed in the ratio of 3.25: 1 (by weight), this was then applied to glass plates (at a wet film thickness of approximately 900 microns) measuring 125 mm x 60 mm and allowed to cure for 3 days at 30 °C before testing commenced. The test samples were prepared by NSF Wales at Oakdale.

Date of receipt of application form	14/10/16
Date of receipt of product for test	06/10/16
Batch number	20771816
Date test samples prepared	05/01/17
Date test sample manufactured	16/04/16
Ambient temperature at time of application	23°C

Client: *Resimac Ltd*Product: *Resichem 507 DWPU Grey*Test Criteria: *BS 6920*

3. ODOUR AND FLAVOUR OF WATER

Methodology: BS 6920: Part 2: Section 2.2.1 and in-house method PROC/MAT 004 and 006.

Date leaching tests started: 08/01/17	Date leaching tests finished: 09/01/17
Number of panellists: 3	Temperature of extraction: (23 ±2) °C

Odour test

Extract	Date of test	Test water	Dilution number [§]	Odour descriptor
First	09/01/17	Chlorine free	0(1)	Chemical
First	09/01/17	Chlorinated	0(0)	None
Final	-	Chlorine free	-	-
Final	-	Chlorinated	-	-

Flavour test

Extract	Date of test	Test water	Dilution number [§]	Flavour descriptor
First	09/01/17	Chlorine free	0(1)	None
First	09/01/17	Chlorinated	0(1)	None
Final	-	Chlorine free	-	-
Final	-	Chlorinated	-	-

[§] figure in brackets is the number of panellists detecting an odour or flavour at this dilution

First extract becomes final extract

On the basis of these results the samples of this product referred to in this report have been found to conform to the requirements of BS 6920: Part 1: 2014, Clause 4

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NOTES

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3. *Where a measurement reported is outside the specification limit by a margin less than the measurement uncertainty, the result of the test will be reported as indeterminate and the measurement uncertainty for the test will be quoted alongside the result. Measurement uncertainties for tests are held on file by the laboratory and available on request.*
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