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BRITISH BOARD OF AGRÉMENT TEST REPORT No 61007 Issue 2

PRONIL – ACRYLIC WATERSTOP

CONTENTS

Approved By:

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Date: 12 July 2017

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Date: 17 July 2017

On behalf of the British Board of Agrément

Client:	Pronil Izolasyon Ltd Riverbank House 1 Putney Bridge Approach London SW6 3 JD
Requested by:	Ender Birlik
Job No:	T1 61007
Work Period:	November 2017 – July 2017

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i NOTE ON ISSUE 2 AND INTERIM REPORT

Issue 2 supersedes Issue 1 and differs from the original issue of this report, which was an interim report requested by the client midway through testing, dated 04 May 2017. This report is compiled with all available date in section 2.3 *Results* and a comment describing the observations on the samples.

1 REPORT CONDITIONS

1.1 This Report:

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- relates only to the specified tests and test conditions described herein
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2 SWELLING / RECOVERY CYCLES

2.1 Method

The increase in volume was measured when specimens were immersed in tap water at 23°C over a 28 day period. Recovery volume was measured when the specimens were removed from the solution and air dried over a 28 day period. This method was repeated over three cycles.

The percentage change in volume calculations are all based on the initial volume.

2.2 Sample

BBA Ref/Lot	Quantity	Description(1)
T1/61007	1	20 mm roll Pronil Acrylic water stop.

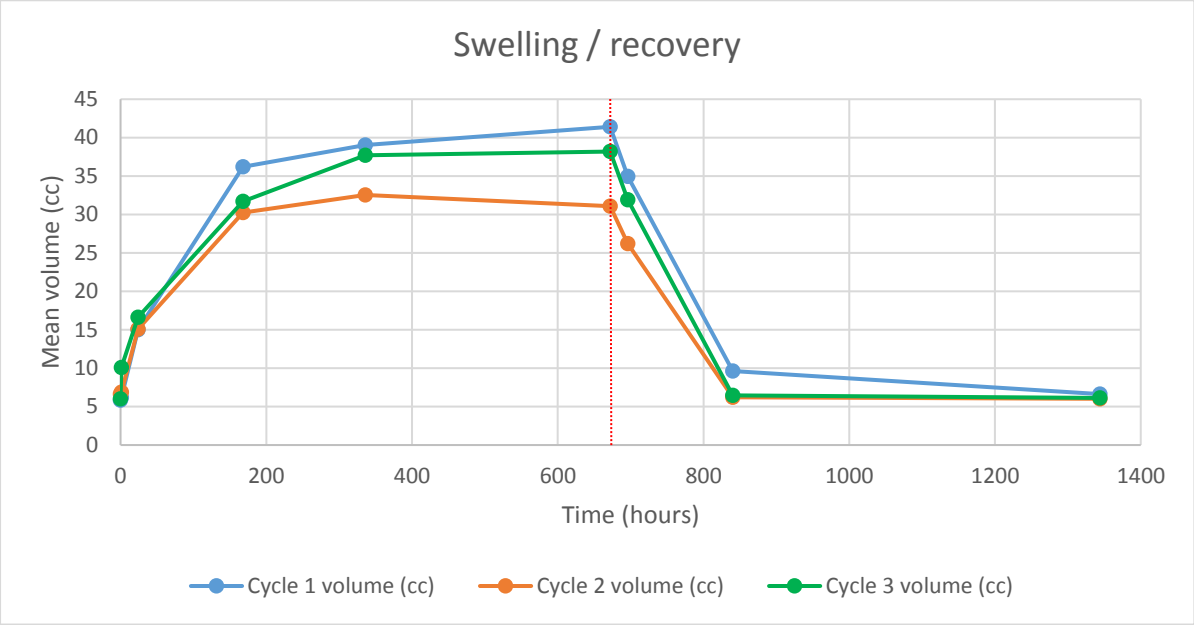
(1) Batch details were not supplied by the client.

2.3 Results

Swelling	Cycle 1		Cycle 2		Cycle 3		Average change (%)
	Mean mass (cc)	Change (%)	Mean mass (cc)	Change (%)	Mean mass (cc)	Change (%)	
Initial	5.84	-	6.64	13.70	6.02	3.08	8.39
1 hour	6.18	5.82	6.88	17.81	10.07	72.43	32.02
1 day	14.99	156.68	15.07	158.05	16.63	184.76	166.50
7 day	36.19	519.69	30.23	417.64	31.69	442.64	459.99
14 day	39.06	568.84	32.54	457.19	37.71	545.72	523.92
28 day	41.41	609.08	31.07	432.02	38.19	553.94	531.68
Recovery	**Cycle 1**		**Cycle 2**		**Cycle 3**		**Average change (%)**
	Mean mass (cc)	**Change (%)**	**Mean mass (cc)**	**Change (%)**	**Mean mass (cc)**	**Change (%)**	
1 day	34.97	498.80	26.22	348.97	31.93	446.75	431.51
7 day	9.63	64.90	6.195	6.08	6.47	10.79	27.25
28 day	6.64	13.70	6.02	3.08	6.14	5.14	7.31

Note: Observations to the samples throughout testing confirms that there was no degradation of the material throughout the duration of the test.

2.3 **Results (continued)**



Note: The dotted red line indicates the end of the swelling and the start of the recovery cycle.