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BRITISH BOARD OF AGRÉMENT TEST REPORT No 52905 Issue 2

BETONSHAHR – PYRAMID900 ACRYLIC WATERSTOP

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Date: 14 Nov 2024

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Date: 19 Nov 2024

On behalf of the British Board of Agrément

Client: BETONSHAHR Co.
Watchmead
AL7 1BQ Welwyn Garden
City, England

Requested by: Mahsa Atayi

Job No: 52905

Work Period: June 2024 – Nov 2024

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 05 June 2024. This report is compiled with all available data in section 2.3 *Results* and a comment describing the observations on the samples.

1 **REPORT CONDITIONS**

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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⁾

52905 1 20 mm roll PYRAMID900 Acrylic water stop.

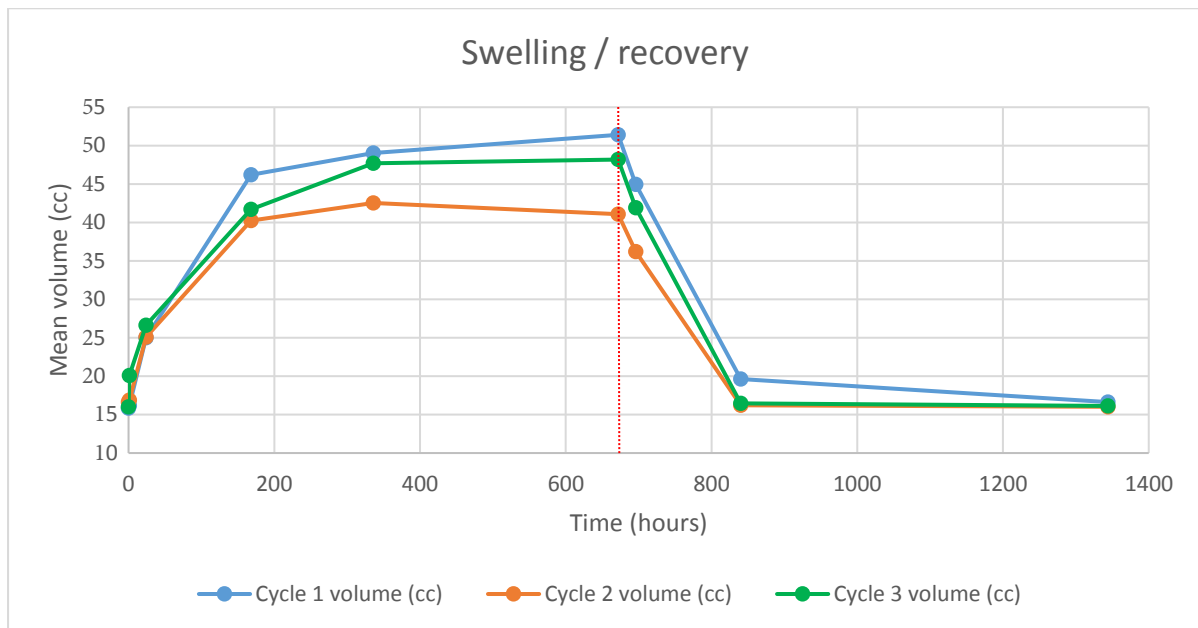
(1) Batch details were not supplied by the client.

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	9.84	-	8.64	22	7.02	16	13
1 hour	16.18	7	16.88	56	17.07	63	42
1 day	34.99	236	25.07	235	36.63	242	237
7 day	46.19	951	40.23	896	41.69	941	929
14 day	49.06	997	42.54	949	47.71	959	968
28 day	51.41	1030	41.07	981	48.19	989	1001
Recovery	Cycle 1		Cycle 2		Cycle 3		Average change (%)
	Mean mass (cc)	Change (%)	Mean mass (cc)	Change (%)	Mean mass (cc)	Change (%)	
1 day	44.97	698	36.22	582	41.93	591	623
7 day	19.63	164	16.195	26	16.47	29	73
28 day	16.64	24	16.02	13	16.14	12	16

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.