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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.

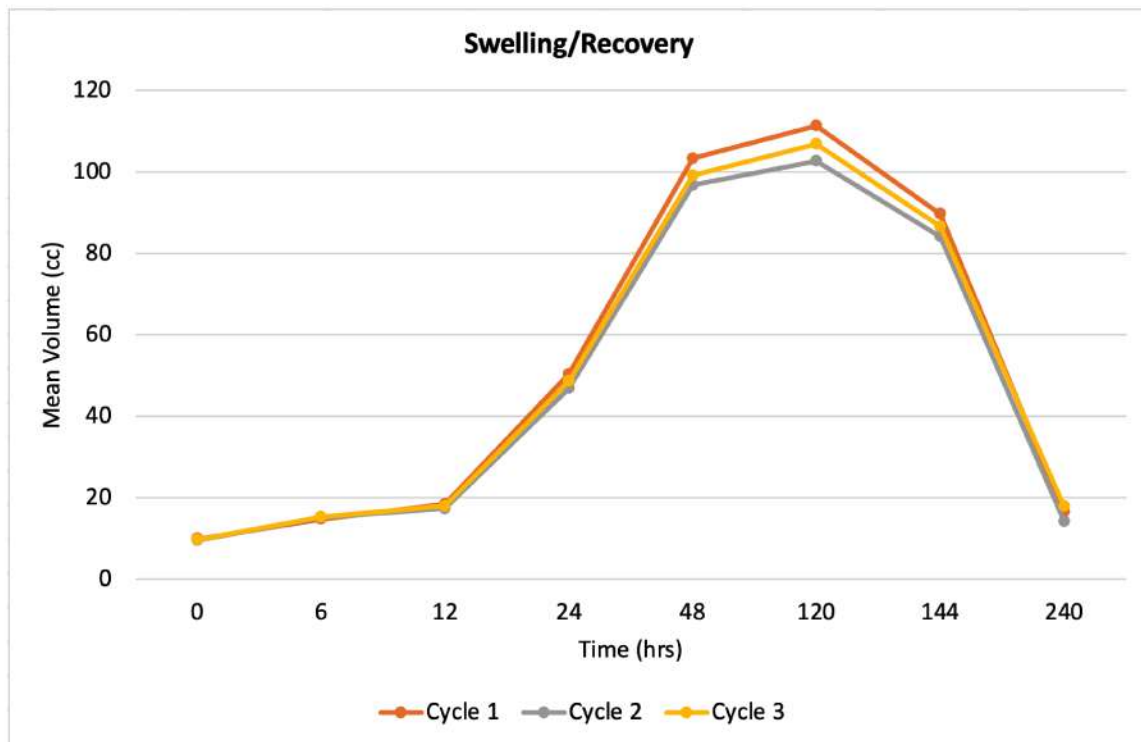
(1) Batch details were not supplied by the client.

2.3 Results

Swelling	Cycle 1		Cycle 2		Cycle 3		Average Change (%)
	Mean Volume (CC)	Volume Change (%)	Mean Volume (CC)	Volume Change (%)	Mean Volume (CC)	Volume Change (%)	
Initial	9.84	-	9.53	-	9.71	-	0
6 hrs	14.7	49	15.2	59	15.3	58	55
12 hrs	18.4	87	17.3	82	18.0	85	85
1 day	50.4	412	46.8	391	48.6	401	401
2 days	103.4	951	96.8	916	99.2	922	930
5 Days	111.3	1031	102.7	978	106.9	1001	1003
Recovery	Cycle 1		Cycle 2		Cycle 3		Average Change (%)
	Mean Volume (CC)	Volume Change (%)	Mean Volume (CC)	Volume Change (%)	Mean Volume (CC)	Volume Change (%)	
1 day	89.6	811	84.2	784	86.6	792	795
5 days	16.4	67	14.3	50	17.8	83	67
14 Days	9.53	-3.2	9.71	2	9.69	-0.2	0

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.