

PYRAMID 900

Hydrophilic Acrylic Waterstop



PRODUCT DESCRIPTION

PYRAMID900 is a new generation high performance acrylic polymer based expanding tape. It expands up to 900% when in contact with water. In a totally dry state, PYRAMID900 will shrink to it's original installation dimension and re-expand on wetting. PYRAMID900 is used in concrete construction for the sealing of construction joints including wall to base connections, pipe entry systems, sealing of openings and interface sections between existing and new concrete. PYRAMID900 is easily stored in it's original moisture-proof wrap in cool, dry conditions away from sunlight.

ADVANTAGES

Conformable, can be used on a variety of irregular substrates. Forms an impermeable barrier against water in concrete. Excellent compliance with deformed surfaces and joints. Saves time and labour. Easy to apply. Simple overlap jointing on site. No hardening time required. No welding required. Swells in salt water.

STANDARD SIZES

Rectangular Section with Pyramid Shape 

Section Size: 5 mm x 20 mm

Length: 20 meters Roll

TECHNICAL DATA

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

Application Temperature: -10°C / 50°C

Density: 1,40 g/cm³

Shore: 50

The expansion rating is affected according to CaCO₃ and salt content. Contains no traces of Bentonite.

Swelling Capacity at:

Tap Water: **≥900%** Salt Water: **≥300%** Wet/dry Cycle: **≥500%**

Water pressure resistance (14 days): **7 bar**

Color: **Yellow**

Elongation Break

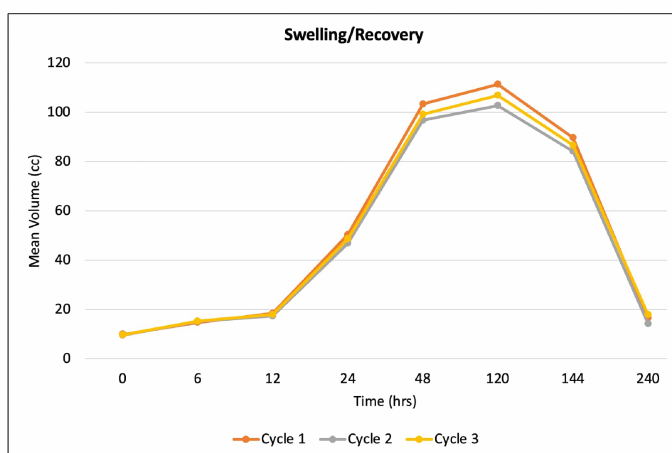
(TS ISO 37, Rubber Plate, Type 1, Pulling speed: 500mm/min., Conditioning 23°C-50%, Median value: 553%, Date: 19.11.2024)

Tensile Strength

(TS ISO 37, Rubber Plate, Type 1, 5 specimens, Pulling speed: 500mm/min., Conditioning 23°C-50%, Median value: 2.1 MPa, Date: 15.10.2019)

BBA TEST NO: T1-61007

This product has been tested by BBA (British Board of Agrément) BBA Test No: T1-61007



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

