

VX SwellMaster is a specially formulated hydrophilic sealing bar based on butyl rubber for preventive sealing of construction joints. It is designed to form to the contours of rough surfaces so that once the second casting of concrete is poured, a continued gasket seal is achieved in both horizontal and vertical construction joints.

VX SwellMaster controls expansion in both potable and concrete water achieving a hydrostatic head pressure resistance of 6 bar. SwellMaster's special formulation allows it to achieve consistent expansion and hydrostatic resistance in multiple wet and dry cycles giving it long term water stopping capabilities.

Due to the specially formulated compounding of SwellMaster, it does not pre-expand when exposed to the wet condition of a project. For easy on-site handling, VX SwellMaster has a special non-stick coating.

It is based on high quality butyl rubber that retains its shape after 3 wet and dry cycles. It has a good resistance to a wide range of chemicals. Final confirmation about compatibility under specific conditions can be obtained from our technical department.



**Good  
Temperature  
Resistant**



**Good  
Chemical  
Resistant**



**3 Wet  
& Dry  
Cycles**



**Hydrostatic  
Pressure  
Resistance**

## TEST REPORT

30 days weather exposure test	✓
Water immersion test in both potable and concrete water	✓
Hydrostatic Head Pressure Resistance test in both potable and concrete water	✓
3 wet and dry cycle tests for both water immersion and hydrostatic head pressure	✓

## PACKAGING

Size	Roll	Roll/Box	Box/Pallet
20 x 5 mm	15 m	5	81
20 x 10 mm	10 m	5	81
20 x 15 mm	6.25 m	6	72
20 x 19 mm	5 m	6	48

## SHELF LIFE & STORAGE

24 months in unopened condition. Store in a cool-dry covered place and avoid direct exposure to sunlight

## TECHNICAL DATA

Properties	Typical Value
Volume Expansion in Potable Water	Up to 160%
Volume Expansion in Concrete Water	Up to 134%
Hydrostatic Head Pressure Resistance	Up to 60m (6.0 Bar)
Colour	Black
Density	1.47 g/cm <sup>3</sup>
Bending Radius on The Corners	180°C
Temperature Resistance	0°C to 50°C
Chemical Resistance	Good overall chemical resistance, but we advise to be careful with aromatic oils and fuels, vegetal oils and strong aromatic solvents

## **APPLICATION**

Do not install VX SwellMaster during heavy rainfall as it may result in swelling before the concrete has been poured on the sealing bar.

Apply a 3cm wide coat of VX PolyMaster Adhesive to the concrete surface where VX SwellMaster Sealing will be installed and one coat of VX PolyMaster Adhesive to one side of VX SwellMaster Sealing.

Firmly press the coated side of VX SwellMaster to the prepared surface of the concrete, ensuring that full contact of VX SwellMaster and concrete surface. VX SwellMaster must be fully bonded with no gaps between it and the concrete surface.

No overlapping is needed at VX SwellMaster joints. A butt joint is recommended. Butt two ends of VX SwellMaster together and knead the ends together forming a watertight joint.

Sealing bars that are damaged, already swollen or of which the geometry has changed may not be installed.