

MARUTI BENTONITE SWELL BAR

Maruti Bentonite Swellbar are designed to stop water ingress through non-movement joints in reinforced concrete structures, even at complicated details. They are suitable for both vertical and horizontal application and provide reliable and fast expansion upon contact with water.

What makes our Maruti Bentonite Swellbar so effective is their high Aluminium Silicon content embedded in a matrix of macromolecular natural rubber as well as their special filler like clay, bentonite additive, etc.



Aluminium Silicate expands upon contact with water to form a seal against the concrete. In addition to this immediate swelling process Maruti Techno allows for an active long term sealing of any non-movement point by reacting with the alkalinity of the concrete to form calcium Hydroxide (free lime) which supports the process of the concrete.

Maruti has been successfully tested up to 7 bar hydrostatic pressure and is approved for the use both in continuous water immersion and changing water tables (Wet/dry cycles).

Maruti provides superior protection and long term safety in use.

ADVANTAGES OF THE BENTONITE SWELLBAR

- Aluminium Silicate based strip swellbar
- Approved for use in drinking water reservoirs
- Resistant to slurry and animal manure
- Provides reliable and fast expansion upon contact with water, up to 300% (max) swelling volume
- Active long term sealing of any non-movement joint by sintering and formation of free line
- Easy handling on site: non-sticky, light weight, flexible and dimensionally stable even in high temperatures
- Self-injecting properties, seals and fills even the smallest voids and cracks
- Due to high content in aluminium silicate swelling and shrinking process are infinitely repeatable
- Aluminium Silicate reacts even decades after installation.
- Special coating prevents premature swelling for up to 3 days.

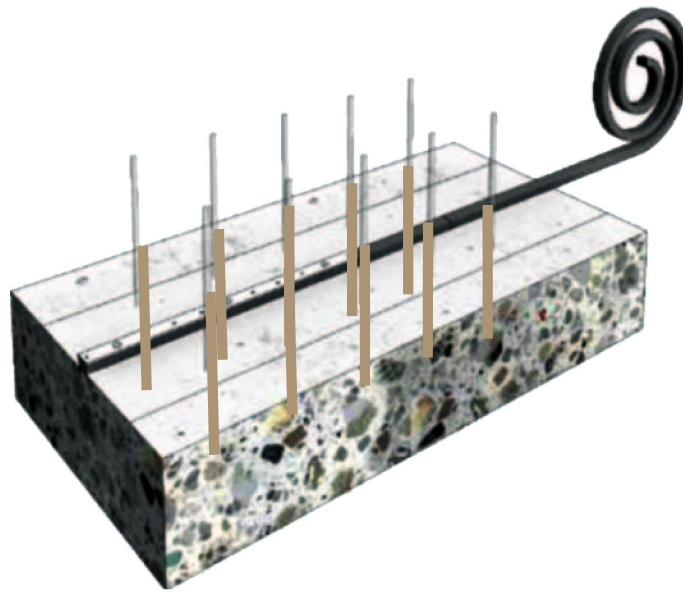
FEATURES OF THE BENTONITE SWELLBAR

Compared with any other traditional joint sealants (PVC joint-sealing tape, joint-sealing sheets, etc.), Maruti Blackstop is quite economical and reliable, because

- Sources of errors are reduced to minimum
- The best ratio of price and performance is assured

APPLICATION OF THE BENTONITE SWELLBAR

MARUTI Bentonite shall be placed only in in-situ concrete construction because the swellable bentonite sellbar tape shall be completely covered on all sided by concrete (min 8cm concrete cover are required) to make sure that the swelling sealing pressure can be built up



TECHNICAL DATA SHEET

MARUTI BENTONITE SWELLBAR	
Shape	Rectangle
Colour	Black
Dimensions	20x10 mm 20x20 mm 20x15 mm 25x25 mm
Coating	Talcum treated
Toxicity	Non-Toxic