

Cold Joint Tape Which Expands with Water

Product Description

Hydrophilic water stop based on synthetic rubber that acts as watertight seal for construction joints with excellent swelling capabilities. Polybar+ superswell is developed for fast and efficient sealing in contact with extremely high concentrates of salt (up to 10w% salt water). Retains its own form in multiple dry-wet cycles. Can be mechanically fixed with nails or adhered with adhesive.

Uses

- Construction joints,
- Around the passage of all kinds of concrete,
- In the pools,
- · Water tanks,
- All kind of structures exposed to sea water
- Wastewater treatment plants,
- Tunnel segments,
- As a waterstop in cold joints where foundations and walls combined
- As a waterstop flange during entry and exit of PVC pipe,
- It is used in areas where steel, profile are in contact with concrete.

Advantages

- Easy to use.
- It seals against non-pressing and pressing gound water up to 6 bar.
- It can be used in repeated wet and dry cycles.
- It is developed for fast sealing in contact with extremely high concentrates of salt (up to 10w%).
- Adaptable to many different details.
- It can be applied both vertically and horizontally.
- It has resistance to water and various Chemicals.
- It can be expanded in cracks and spaces.
- Molecular structure is unaffected by the volume expansion due to freezing of water it contains.

Packing and Color

20x5 mm 10 m roll and 5x10 m boxes 20x10 mm 10 m roll and 9x10m boxes

Technical Data

Volume expansion in 10w% salt water	300%
Volume expansion in 3w% salt water (sea water)	400%
Volume expansion in concrete water	900%
Volume expansion in rain water	350%
Colour	Orange
Hardness	25° Shore A
Tensile strenght	>1 MP a
Elongation	< 500%
Density	1,23 +/- 0,03
Water pressure resistance	60 m (6 bar)
Temperature range	-20 + 75° C
Weather resistance	Excellent
Chemical Resistance	Good overall chemical resistance, but we advise to be careful with aromatic oils and fuels, with vegetal oils and strong aromatic solvents. Contact our sales department for detailed specific information.

Sözlü ve yazılı olarak verdiğimiz teknik bilgiler, iyi niyetlerle verilmiştir. Ürünlerimizle ilgili mevcut bilgi ve deneyim seviyemizi yansıtmaktadır. Ürünlerimizi kullanırken söz konusu ürün veya uygulama teknolojisinin, özel gereksinimleri ve amaçları karşılayıp karşılamayacağını anlamak amacıyla her bir kullanım durumu için ayrı olarak detaylı amaca yönelik ve yetkin bir inceleme yapılması gerekmektedir. Sorumluluğumuz, yalnızca ürünlerimizin hatasız olması yönündedir. Bu nedenle ürünlerimizin doğru uygulanması tamamen sizin sorumluluk ve yükümlülük kapsamınızda yer almaktadır. Biz Genel Satış ve Teslimat Şartlarımız kapsamında tutarlı kaliteye sahip ürünler temin edeceğiz. Kullanıcılar, yerel kanunlara uymak ve gerekli resmi izinleri almaktan sorumludur. Teknik veri sayfasının yeni baskısı, önceki teknik bilgilere göre üstünlüğe sahiptir ve önceki bilgiler geçersiz sayılmaktadır. Bu nedenle, daima geçerli kullanım koduna sahip belgeyi elinizde bulundurmanız gerekmektedir.



Application

Preparation of The Surface

The surface should be clean, dry,not has much moisture and should be cleaned from any contamination. All loose particles, mold oil, weak cement grout, paint, rust and other poorly adhering materials should be removed by hand or mechanical methods. The surface which impermeability profile will be placed, should be arranged with a piece of wood before the concrete hardens.

Applying to the Surface:

BILIZO® POLYBAR WATERSTOP PLUS should be fixed with it's adhesive to the central exis of applied section. Joints should be side by side minium 10 cm. Before pouring concrete, product should be controlled if it is damaged. It is important to obtain proper adhesion n surface. BILIZO® POLYBAR WATERSTOP PLUS profile should be protected from water (rain etc.) until concrete placement is made.

Application Notes:

- Can be mechanically fixed with nails at approx 300mm centres or adhered with adhesive.
- The product can be adhered to concrete, steel and PVC pipe penetrations with the adhesive.
- The adhesive will also ensure a good bond is achieved on slightly uneven surfaces.
- The use of a tying wire around BILIZO® POLYBAR WATERSTOP PLUS in the case of securing it to PVC pipes is also recommended in conjunction with the adhesive.

Storage

When it is stored in the original, unopened and undamaged packaging and protected from direct sunlight, suitable for 12 months from date of manufacture.

Safety Measures

Avoid contact directly with eyes and mouth, if swallowed, a doctor should be consulted immediately. Application areas are prohibited in food and drink. For detailed information refer to Material Safety Data Sheet (Material Safety Data Sheet).