

# WINSTRIP S

**Swelling Waterstop made of high grade sodium bentonite and a special organic binder for application on concrete cold joints in mineral and salty water**

**WINSTRIP S** is made of natural sodium bentonite and a special organic binder that gives the product a good plastic and elastic consistency.

**WINSTRIP S** is a sealing strip that finds its best application in building to assure a perfect horizontal and a vertical waterproofing of underground cold joints in concrete structures, subjected both to hydrostatic and non hydrostatic conditions.

## PHYSICAL CHEMICAL PROPERTIES

Composition:	Natural sodium bentonite	75%
	Elastomeric binders	25%
Specific gravity:	1,50-1,80	
Elongation under pressure:	>150%	
Stretch resistance under pressure:	>0,50 MPa	
Pressure generated during the expansion:	>1500 kPa	
Expansion of volume in mineral water:	>400%	
Expansion of volume in salty water:	>200%	

## GENERAL CHARACTERISTIC

**WINSTRIP S** swells when in contact with mineral and salty water, sealing the empty voids caused by concrete shrinkage or possible movements of the structure under the water pressure.

**WINSTRIP S** increases its volume when engaged by mineral and salty water, but never disintegrates, even when left in free swelling conditions.

**WINSTRIP S** will not require any confining cages and will not start to swell with water contained in concrete mix, consequently leaving the shape of its housing unmodified.

**WINSTRIP S** may undergo subsequent cycles of wet and dry conditions maintaining, with time, its property to swell when in contact with water.

## METHOD OF APPLICATION

**WINSTRIP S** is ready and easy to use and requires only simple surface cleaning of loose particles (concrete bits, sand, gravel and other dirt) from the application area, requiring no additional surface smoothing. The strip is simply placed in the centre of the cold joint and secured with nails placed in 25 cm intervals. If the surface on which the strip is to be placed is very rough, the adhesion process can be aided by simply pressing the strip down by hand or using a hammer to tap down on wooden rod laid over the strip.

When adjoining two subsequent strip, head by tail, do allow a 5-6 cm of side contact between the two ends.

## MOUNTING TIPS

Like all swelling waterstops, **WINSTRIP S** has to be used only on concrete cold joints and in direct contact with fresh concrete, not on precast concrete.

It is advisable to position **WINSTRIP S** on the joint in a way to have at least 8 cm of confinement on each side all the spacers of the formwork must be positioned at a distance of 7 cm at least.

It would be advisable to avoid any excess stagnating water near the joint, until a minimum of 15-20 days hardening of the concrete.

## PACKAGING

### Section about mm 20x25

Carton box contains 6 rolls of 5 mt each (total 30 mt)

Weight of the box 22 kgs

Pallet of 30 boxes (total 900 mt)

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