

WINSTRIP

SWELLING BENTONITE SEALING STRIP



WINSTRIP



SWELLING WATERSTOP MADE OF HIGH GRADE SODIUM BENTONITE AND A SPECIAL ORGANIC BINDER FOR APPLICATION ON CONCRETE COLD JOINTS

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

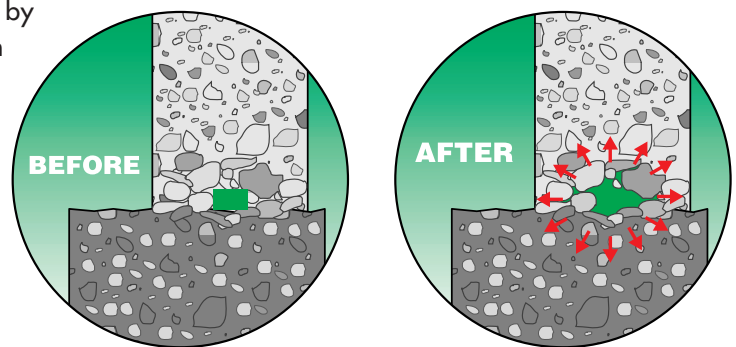
WINSTRIP is a sealing strip that finds its best application in building to assure a perfect horizontal and vertical waterproofing of underground cold joints in concrete structures, subjected both to hydrostatic and non-hydrostatic conditions.

GENERAL CHARACTERISTICS

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

WINSTRIP increases its volume when engaged by water, but never disintegrates, even when left in free swelling conditions. WINSTRIP 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.

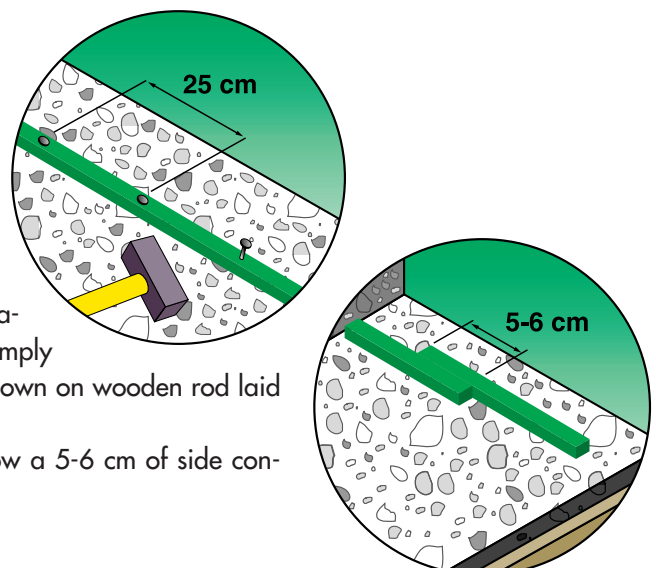
WINSTRIP may undergo subsequent cycles of wet and dry conditions maintaining, with time, its property to swell when in contact with water.



METHOD OF APPLICATION

WINSTRIP 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 strips, head by tail, do allow a 5-6 cm of side contact between the two ends.



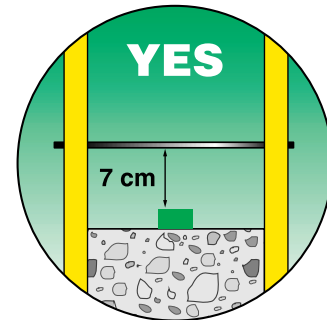
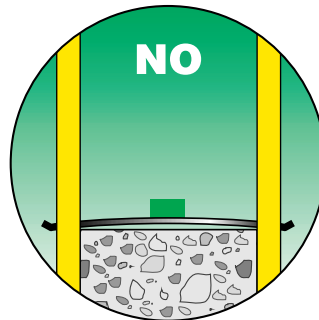
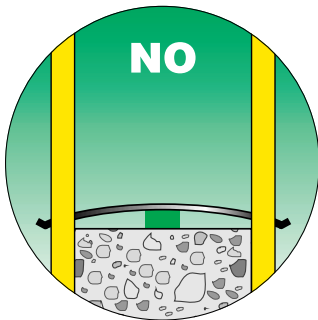
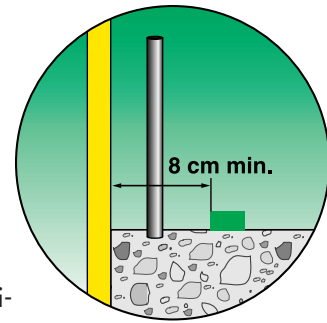
MOUNTING TIPS

Like all swelling waterstops, WINSTRIP 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 on the joint in a way to have at least 8 cm of confinement on each side and all the spacers of the formwork must be positioned at a distance of 7 cm at least. If the concrete's surface of application is extremely rough it is better (not necessary) before nailing, to apply a bentonite based swelling mastic, as our WINPUT, between the concrete and the strip.

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

In presence of brackish water or highly saline water, that may affect the swelling properties of the strip, it is advisable to perform some in situ test before application.



PHYSICAL AND CHEMICAL PROPERTIES

Composition: Natural sodium bentonite 76%
Elastomeric binders 24%

Specific gravity: 1,643

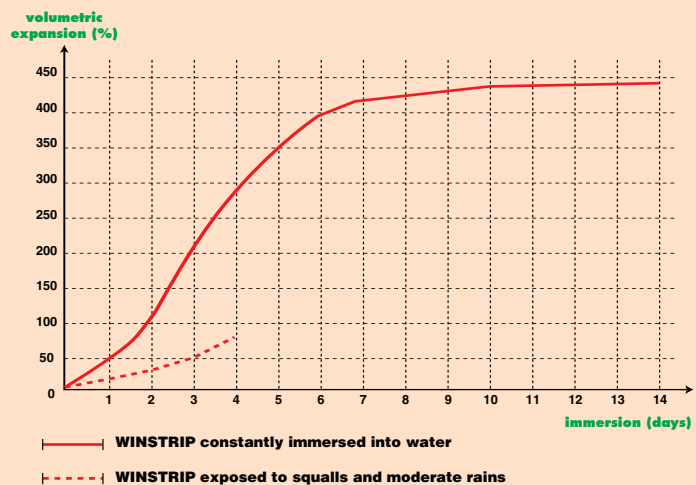
Elongation under pressure: 50%

Stretch resistance under pressure: 0,37 MPa

Pressure generated during the expansion: 1.299 kPa

Expansion of volume in free swelling: 440%

Swelling property when in contact with water



PACKAGING

Section about mm 15x30

Carton box contains 5 rolls of 5 mt each (total 25 mt)

Weight of the box 22 kgs

Pallet of 30 boxes (total 750 mt)

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)



