



# EXPAN BENTONITICO

BENTONITE RUBBER HYDRO-EXPANSIVE JOINT STRIP FOR SEALING CASTS CARRIED OUT AT DIFFERENT TIMES



CHARACTERISTICS	ENVIRONMENTAL	METHOD OF USE	PRECAUTIONS
 WATERPROOFING	 ECO GREEN		

## PROBLEM

### GUARANTEE WATERPROOFING OF NEW CASTS



Joints in site cast concrete foundations are extremely important element towards the creation of a perfect seal in the case of the infiltration of water from the water table or accidental infiltration. It is therefore necessary to prevent these problems with suitable solutions which guarantee the impermeability of these weak points in time.

## SOLUTION

**EXPAN BENTONITICO** is a product manufactured from bentonite, treated with polymers and various additives which make the product more compact. These characteristics allow the product to maintain a high mechanical resistance, even after free swelling, without breaking up like other similar products.

**EXPAN BENTONITICO** swells when it comes into contact with water, increasing its volume by 400%, to form a waterproof barrier in the joints in site cast concrete. Furthermore it is highly elastic both when dry and when hydrated.

The product does not expand immediately on contact with water in order to avoid deforming the concrete while it is still plastic, making the operation vain.

## APPLICATION FIELDS

**EXPAN BENTONITICO** is a sealing string-course used in the building trade to waterproof joints in site cast foundations, both in walls and concrete beds, joints in prefabricated elements, tunnels, drains, pipes, etc.

## ADVANTAGES

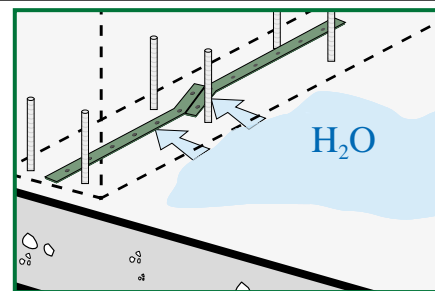
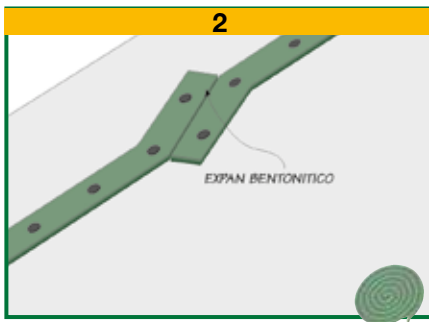
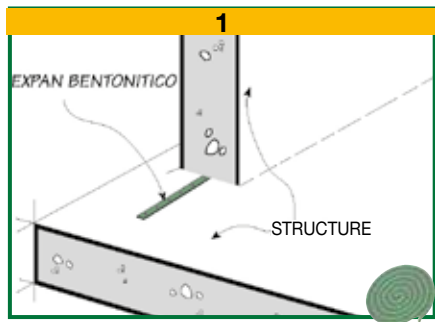
- Fast and easy installation.
- Atoxic product.
- Fire proof.
- Highly elasticity.
- Does not break up.
- Does not require reinforcement.

## METHOD OF USE

**EXPAN BENTONITICO** is ready for use and requires no protection. The 5 metre rolls should be fixed with cement nails or with polyurethane adhesive every 25 cm. (1).

Install the product immediately before the following casting. Joints in the stringcourse should be made laying the two ends side by

side for roughly 10 cm (2). Keep the product at least 7-8 cm from the edge of the casting.



### • PRECAUTIONS

- During the winter months there are no particular problems regarding the use of the product. However we do recommend removing any traces of ice or snow from the area where the product will be installed.
- Do not leave the product exposed for long periods of time if there is a risk of rainfall.

## TECHNICAL CHARACTERISTICS

	Standard	EXPAN BENTONITICO
Appearance		Rubber joint strip
Colour		grey-green
Size		28 x 16 mm
Density		1.65 kg/L
Weight (28 x 16 mm section)		0.75 kg/m <sup>2</sup>
<b>Workability</b>		
Application temperature		-15°C ÷ +55°C
<b>Performance characteristics</b>		
		<b>Product performance</b>
Expansion on contact with water		400%
Expansion thrust		5.8 N/mm <sup>2</sup>
Resistance to water pressure		over 500 KPa
Transfer of toxic substances to the water		None
Ultimate elongation		50%
Stability in seawater		Good
Thermal resistance - Working temperature		-40°C ÷ +100°C

the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

## PACKAGING

Boxes of 6 rolls x 5 m.  
The gross weight of each pack is 22 kg.

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

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