

JOINTSEAL TAPE B

**SODIUM BENTONITE WATERSTOP
HYDROEXPANSIVE**



PRODUCT DESCRIPTION

DRYKOS JOINTSEAL TAPE B is a black hydroexpansive water stopper made of sodium bentonite (75%) and specific hydroexpansive polymeric binders (25%). Cord section: 20 mm x 25 mm.

FEATURES

DRYKOS JOINTSEAL TAPE B is a user-friendly hydroexpansive waterstopper that doesn't require any special support preparation or preshaped seats. It can be affixed through simple nailing, without the need for any special protective measures. Upon contact with water, it expands by forming a stable colloidal system, ensuring a permanent, watertight seal for the connection. The initial expansion is delayed by a retardant coating upon the first contact with water, preventing deformations during the initial setting of fresh concrete. However, it's advisable to avoid its use during early rain or in excessively humid conditions (such as puddles).

Regarding laboratory testing, experiments have shown that DRYKOS JOINTSEAL TAPE B expands by a substantial 243.4% upon contact with water, a value well above the required threshold for its intended purpose. The sample's surface remains smooth, compact, and free of cracks. Despite concrete's resistance to expansion, DRYKOS JOINTSEAL TAPE B, with its significant expansion capability, exerts strong in-situ expansion pressure, effectively preventing water permeation at cast joint points. Even in an environment with a pH of 12.33, the expansion is at 110.4%, surpassing the minimum expansion requirement of 100%. At a pH of 12, the sample surface remains unaltered and free from cracks. DRYKOS JOINTSEAL TAPE B is suitable for use in basic environments, both in contact with fresh and cured concrete.

AREA OF APPLICATION

Used for construction joints and connections, ensuring secure and permanent hydraulic sealing.

CONSUMPTION

1 meter of DRYKOS JOINTSEAL TAPE B per linear meter joint

APPLICATION METHOD

The sodium bentonite waterstopper, DRYKOS JOINTSEAL TAPE B, should be laid on the laying surface after careful removal of friable, incoherent, and powdery parts, ensuring the smoothest and most even surface possible. Fixation is carried out through nailing: one steel nail every 20-25 cm approximately. Joint sealing between waterstopper cord sections is achieved by simply bringing them within 10 cm of each other, not by overlapping the ends. The placement must ensure 10-12 cm concrete coverage to contain the expansive action generated by hydration. For complex application situations, a wire cage called DRYKOS JOINTNET is available, with a 8 x 8 mm square mesh and 1-meter length. In case of high saline groundwater, conduct preliminary expansion tests. If the surface where DRYKOS JOINTSEAL TAPE B will be applied is not perfectly smooth, use DRYKOS SEALFLEX N sealant to prevent water infiltration beneath the cord. For further information, consult our "Technical Service."

HEALTH AND SAFETY

After application, hands and application tools should be thoroughly washed with water. During the application, the ground should be protected from wind and direct sunlight. The indicated consumption amount is general information and may differ due to application conditions and surface features.

Use gloves, mask, and glasses during the application. For further instructions on a safe use of the product please refer to MSDS.

STORAGE

Store the product in its original packaging in a cool, dry place away from sunlight.

WARRANTY

If the product is found to be defective, Drykos liability is limited to replacing the product itself. As Drykos has no control over the use of the product by the user, the latter must ensure that the product is suitable for the intended use, assuming all risks and responsibilities related to it.

PACKAGING

Boxes of 30 m.(6mx5Roll)

TECHNICAL SPECIFICATIONS

Specific Density (kg/dm³ a 20°C) (ASTM)	1.4 – 1.5
Elongation at break (%)	60
Weight (kg/linear metre)	0.67
Application temperature range	-15°C/+50°C
Potential expansion	between 350% and 400%
Lifespan	unlimited
Expansion at 7 days with pH 7	243.4%
Expansion at 7 days with pH 12.33	110.4%