23_09.

CONCRETE REPAIR



MORCEM® DRY PERFIL HIDROEXPANSIVO

DESCRIPTION

5 x 20 mm rectangular bead made from hydro-expansive polymer for sealing concrete joints, offering excellent durability.

ADVANTAGES AND

- Expands and seals all types of joints exposed to permanent or temporary loads from groundwater and runoff water. It stops leakage after encountering water that enters through construction joints, absorbing the
 water and preventing leakage.
- Joints between concrete.
- Joints between different construction materials, such as concrete and steel / stones.
- Points between materials of different natures, such as PVC or steel pipes passing through concrete walls (pools, tanks, etc.).
- Joints between prefabricated concrete elements. Horizontal joints.
- Vertical working joints.
- Increases its volume by approximately 500% upon contact with water.
- Expansion is proportional to the amount of water absorbed.
- Chemical resistance (consult technical department).
- Exceptional care with aromatic oils, fuels, vegetable oils, and strong aromatic solvents.
- Maintains stability even in aggressive (saline) waters.
- Does not contain bentonite and does not lose effectiveness after expansion cycles.
- Easy to apply.

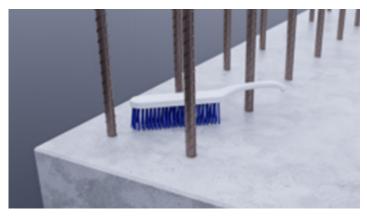
APPLICATION PROCEDURE

- Surfaces must be clean, dry, free of dust, cement laitance, solvents, oils, or chemicals in general.
- The substrate can be damp but must not be wet or waterlogged (the beads cannot be applied in the
 presence of water).
- Apply PUMALASTIC MS (solvent-free) on concrete, metal, PVC, or natural stone.
- Cut the bead to the required length, with recommended lengths between 1 m and 1.5 m for walls.
- Apply PUMALASTIC MS to the prepared surface. Place the bead, press it down, and move it in all directions to ensure proper adhesion. Ensure total adhesion of the bead. If necessary, apply PUMALASTIC MS to both the substrate and the bead.
- The bead requires a minimum concrete cover of 10 cm.
- Pour concrete after 24 hours. If necessary, secure the bead with stainless steel nails every 20-25 cm.
- Due to its significant expansion, do not overlap the bead ends. Instead, place the beads side by side in parallel with a minimum gap of 5 cm between them.



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CLEAN SUBSTRATES



ADHESION THE BEAD WITH PUMALASTIC MS



MECHANICALLY ANCHORED BEAD



23_09 This revision cancels all previous ones. Please, obtain the latest version from our web site · www.grupopuma.com · (+34) 957 76 40 40

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MINIMUM OVERLAP

APPLICATION







RECOMMENDATIONS

- Respect minimum concrete cover requirements, as insufficient cover may cause the concrete to crack. If the bead needs to be fixed to a pipe, use a clamp or a similar device.
- Ensure that the bead does not get wet before concreting. If it does get wet, wait for it to return to its original size before proceeding with concreting.
- If water ingress increases suddenly, the joints will become waterproof once the bead has expanded.
- Do not apply the bead on movement joints.

PACKAGING AND STORAGE

Colour: Azul (Blueish)

Format: 5 mm x 20 mm x 10 lineal metres.

It can be stored up to 24 months in a fresh and dry place. Store in its original closed container away from UV rays.



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TECHNICAL DATA

Colour	Azul (Blueish)
Density	approx. 1.22 g/cm ³
Concrete coverage required	10 cm minimum
Expansion strength	approx. 1.30 N/mm ²
Expansion capacity (14 days)	
7 days stored in distilled water	500%
42 days stored under alkali conditions	333%
21 days stored under acid conditions	243%
IWaterproofing after joint bead with 0.25 mm	2.0 bar
Fire classification DIN 4102-1	B 2
Toxicity	None

LEGAL DISCLAIMER

The instructions for use are given according to our tests and knowledge and do not imply any commitment by GRUPO PUMA nor free the consumer from the examination and verification of the products for their correct use. Claims must be accompanied by the original packaging to allow a proper traceability.

GRUPO PUMA is not responsible, in any case, for the application of its products or constructive solutions carried out by the application company or other parties involved in the process and / or execution of the work, limiting the responsibility of GRUPO PUMA exclusively to the damages directly attributable to the supplied products, individually or integrated in systems, due to failures in their manufacturing process.

In any case, the drafter of the work project, the technical management or the person responsible for the work, or collaterally the application company or other parties involved in the process and / or execution of the work, must ensure the suitability of the products addressing the characteristics of them, as well as the conditions, support and possible pathologies of the work in question.

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