

RESINA INYECCIÓN EPOXI BV



DESCRIPTION

Low viscosity two-component epoxy resin for injections in concrete.

PRODUCT

5 kilos kits. Store the product in dry and fresh places inside their closed original container at temperatures between +5°C and +30°C. Due date: 12 months from manufacturing date.

ADVANTAGES AND USES

- To fill and seal the cracks in concrete structures such as bridges, industrial flooring, docks, beams, pillars or walls.
- Monolithic reparation of reinforced concrete and mass concrete.
- Great penetration due to its low viscosity.
- Great adherence to concrete, mortars, steel, and natural and artificial stones.
- No reaction against polymerization Structural union between concretes with cracks.
- Interior and exterior application.
- Vertical and horizontal application.
- Do not apply in cracks with movements. Compatible with humid substrates.
- Excellent mechanical resistance.

SUITABLE SUBSTRATES

Surface must be clean and dry, free of dust, grease, oils or spare particles. It is important to clean the cracks with compressed air to remove dust and dirt. When dealing with very porous substrates, add a 5 - 10 % extra resin from the amounts given in the data sheet. Minimum temperature of the substrate + 5° C and maximum temperature + 30° C.

APPLICATION PROCEDURE

- Mix component A with a low-speed mechanical mixer (< 600 r/min) then add component B to component A and continue mixing for 3-4 minutes until obtaining a homogeneous mixture.
- In horizontal fissures it can be poured by gravity until saturation.
- Product in vertical cracks is injected in the usual way by means of a manual or mechanical pump or injection pot.
- Use an injecting tool for vertical cracks.
- The intersection of the crack must be ensured when placing the injectors, since the cracks do not always follow a straight line.
- Each injector is placed every 20 - 30 cm.
- Superficially seal the fissure with Morcemrest Epoxy T or Morcem Rapid Ultra, in order to prevent resin leaks during application.
- Cracks should be refilled from bottom to top. After the injection process, of 24 hours later, remove the injectors and the sealing material and carry out the finishing work.

RECOMMENDATIONS

CONCRETE REPAIR

RESINA INYECCIÓN EPOXI BV

- Please consult our Technical Department in case of any specific application which may not be specified in this Technical Data Sheet.
- In order to clean the tools, it is advisable to use solvents before the products gets hard.
- Once the product gets hard, it will only be removed by mechanical means.
- For all information required regarding safety in handling, transportation, storage and use of the product, consult the label and the updated version of the Product Safety Sheet.

Rev. 2022_03 - This revision cancels all previous ones. Please, obtain the latest version from our web site - www.grupopuma.com - (+34) 957 76 40 40

CONCRETE REPAIR

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TECHNICAL DATA

Property	Value
Colour	Colourless
Specific weight of component A	1.12 gr/cm3
Specific weight of component B	0.95 gr/cm3
Specific weight of component A + B	1.10 gr/cm3
Solid content	>99
Mixture ratio	A/B = 6.7/3.3
Post Life 20° C	30-40 minutes (*)
Viscosity A + B	50N/mm2
Resistance to traction	51 N/mm2
Resistance to bending	70 Mpa
Date	60 mm
Module E	3020 Mpa
Elongation at break	5%
Consumption	Depending on creacks and substrate's porosity

(*) Post-life is subject to the conditions of the environment where it is applied. Temperatures and humidity may affect the polymeration timings.

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. The values obtained by GRUPO PUMA's products or its constructive solutions that, as the case may be, are determined by the EN standards or any other regulation that applies to it in each case refers exclusively to the conditions specifically stipulated in said regulation and that are referred to, among others, to certain characteristics of the support, humidity and temperature conditions, etc. without being them required in the tests obtained under different conditions, all in accordance with the relevant regulation.