

THICKENING ADDITIVE

RAYSTON
products



Thickener for polyurethane and epoxy

DESCRIPTION

The Thickening Additive is used as a thickener for epoxy or polyurethane resins. Mixed with these resins, it allows its application in vertical or inclined facings, as well as making half canes and sealing layers on mortar or multilayer pavements. Provides a high viscosity mixture that is nevertheless fluid when applying. The Thickening Additive is a solid material composed of high-density polyethylene microfibers, free of asbestos. Consult with the Technical Department for other applications such as adhesives, putties and dispersions, in polyurethane, epoxy, polyester, bituminous or PVC.

PROPERTIES

Continuous membrane, elastic, weatherproof and excellent adhesion. It does not require reinforcement based on meshes or felts (geotextile), except in singular points (edges, edges, etc.).

TECHNICAL DATA

INFORMATION ON THE PRODUCT BEFORE APPLICATION

Chemical identity	High density polyethylene fiber
Physical state	Dust
Presentation	Bag: 10 kg
Weight loss	2%
Colour	White
Density	0.95 g/cm ³ (20°C)
Fiber size	400 µm
Storage	Stored indoors (dry and ventilated place), in original container and unopened.
Use before	12 months in closed container from manufacture, 6 months after opening the container.

MIXING RELATIONSHIP

An addition of 1 to 3% on the total weight of the resin product to be thickened is recommended. Higher amounts can lead to the formation of a non-applicable paste.

From 2% addition, it should be noted that small dosage increments result in large increases in the viscosity of the mixture.

The exact percentage of Thickening Additive will depend on the degree of viscosity to be obtained in the coating to be applied, as well as the initial viscosity of the resin to be used; so, a previous test in small quantity will be recommended.

APPLICATION

Add thickening additive slowly in the product and mix gently for 3 to 5 minutes, avoiding the introduction of air as much as possible. Normally use two-component polyurethane and epoxy systems.

Add thickening additive slowly on the resin component (A) (epoxy or polyurethane) and mix with agitator for 3 to 5 min, until a homogeneous mixture without lumps is obtained. Then pour component B and mix again until a homogeneous mixture is obtained.

In all cases extend the mixture obtained with toothed trowel, roller or rubber rake, according to the coating system to be used (sealing layer, paint, half cane, etc.) It is recommended to use the entire mixtures of resins and thickening additive.

SAFETY

The Thickening Additive can form a static electrical charge under certain conditions. Dust mixed with air can, under certain circumstances and high concentrations, form an explosive mixture. This is not to be expected if used in the quantities in which it is supplied. The Thickening Additive is a combination of polyethylene fibers and the generation and inhalation of dust in the workplace should be avoided.

ENVIRONMENT

Empty containers should be handled with the same precautions as if they were full. Consider packaging as waste to be treated by an authorized waste manager.

ADDITIONAL INFORMATION

The information contained in this technical sheet, as well as our advice, both written and provided verbally or through tests, are given in good faith based on our experience and the results obtained through tests carried out by independent laboratories, and without serving as a guarantee for the applicator, who must take them as merely indicative references and with strictly informative value.

We recommend studying this information in depth before proceeding to the use and application of any of these products, although it is especially convenient that they carry out tests "in situ", to determine the suitability of a treatment in the place, with the purpose and in the specific conditions that occur in each case.

Our recommendations do not exempt the applicator from the obligation that the applicator has to know in depth, the correct method of application of these systems before proceeding to their use, as well as to carry out as many previous tests as are appropriate if the suitability of these for any work, installation or repair is doubted, taking into account the specific circumstances in which the product will be used.

The application, use and processing of our products are beyond our control and therefore under the sole responsibility of the installer. Consequently, the applicator will be solely and exclusively responsible for damages arising from the total or partial non-observance of the user and installation manual and, in general, the inappropriate use or application of these products.

This datasheet overrides previous versions.



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