

# THICKENING ADDITIVE



## Thickening additive for polyurethane and epoxy resins

### DESCRIPTION AND APPLICATIONS

Thickening Additive is used as thickening agent for low-viscosity epoxy and polyurethane resins. When mixed with these products, it makes possible application on vertical or sloped surfaces without dripping. It provides a highly viscous-thixotropic mixture that is fluid enough for an easy application.

Possible applications span to adhesives, mastics and dispersions, polyurethane, epoxy, polyester, bitumen and PVC. Please consult our Technical Department for details. Thickening Additive is a solid material made of high-density polyethylene microfibers and is asbestos free.

### TECHNICAL DATA

#### PRODUCT INFORMATION BEFORE APPLICATION

<b>Chemical description</b>	High density polyethylene fibres
<b>Physical state</b>	Solid
<b>Packaging</b>	Plastic sack 10 kg
<b>Loss on drying (105°C)</b>	2%
<b>Colour</b>	White
<b>Density</b>	0,95 g/cm <sup>3</sup> (20°C)
<b>Fibre length</b>	400 µm
<b>Storage</b>	Keep in a dry and ventilated place, in sealed containers.
<b>Use before</b>	6 months after manufacturing date

### MIXING RATIO

Additions from 1% to 3% are recommended. More than 3% usually leads to the formation of a paste.

Above 2%, take into account that small increases of dose lead to big differences in viscosity.

Exact amount should be determined by the user, depending on the desired degree of viscosity and initial resins viscosities. A small previous test is recommended.

### MIXTURE VISCOSITY

Addition of Epoxy Accelerator as recommended does not change strongly the mixture viscosity.

### APPLICATION

One-component systems:

Pour slowly Thickening Additive and mix gently for 3 to 5 minutes, to avoid trapping of air. Use normally.

Two-component systems

Pour slowly Thickening Additive into Component A and mix gently for 3 to 5 minutes taking care not to trap an excess of air bubbles. Mix Component B afterwards and stir again until a homogeneous and slump free mixture is obtained.

In all cases

Spread the mixture with a toothed spreader, roller or rubber squeegee, depending on the working conditions. It is recommended to use all the thickened mixtures entirely.

### SAFETY

Thickening Additive, under certain circumstances and concentrations may develop a dangerous electrical static charge. Please keep the amount of product handled to the minimum at a given time. Thickening Additive is a polyethylene fibre product and, therefore, generation and inhalation of dust must be avoided. Please refer to the current Material Safety Data Sheet for more information.

### ENVIRONMENTAL PRECAUTIONS

Handle empty containers taking the same precautions as if they were full. Consider the empty containers as waste to be transferred to an authorized waste manager.

### OTHER INFORMATION

The information contained in this Technical Data Sheet, as well as our advice, both written as verbal or provided through testing, are based on our experience, and they do not constitute any product guarantee for the installer, who must consider them as simple information.

We recommend to study deeply all information provided before proceeding to the use or application of any of our products, and strongly advise to conduct tests "on-site" in order to determine their convenience for a specific project. Our recommendations do not exempt of the obligation of installers to deeply study the right application method for these systems before use, as well as to conduct as many preliminary tests as possible should any doubt arise. The application, use and processing of our products are beyond our control, and therefore under the exclusive responsibility of the installer. In consequence, the installer will be the only responsible of any damage derived from the partial or total in-observation of our indications, and in general, of the inappropriate use or application of these materials.

**This Data Sheet supersedes all previous versions.**

