



In short

Thixotropic thickening agent for epoxy and polyester resins

Product Description

Stewathix is a fine white powder used to increase the viscosity and thixotropic properties of epoxy and polyester resins. By adding Stewathix, a liquid resin can be transformed into a non-sagging paste suitable for bonding, fillet joints, gap filling and various composite repair applications.

Stewathix offers excellent processing characteristics and has very low dust formation compared to traditional thickening agents such as colloidal silica.

Applications

Stewathix is suitable for applications including:

- Thickening epoxy resins
- Thickening polyester resins
- Structural bonding
- Fillet joints
- Filling gaps and seams
- Composite repairs
- Marine applications
- Automotive and model building applications



Properties

Property	Value
Colour	White
Form	Fine powder
Chemical basis	Polyethylene/mineral filler
Suitable for	Epoxy and polyester resins
Dust formation	Very low
Processing	Easy to mix

Advantages

- Strong thickening effect
- Creates a non-sagging paste
- Suitable for both epoxy and polyester systems
- Significantly lower dust formation than colloidal silica
- Easy processing and mixing
- Suitable for vertical and overhead applications



Mixing Ratio

The required amount of Stewathix depends on the desired viscosity.

Application	Indicative dosage
Light thickening	2–3 wt. %
Bonding paste	4–6 wt. %
Fillets and structural applications	6–8 wt. %

Add Stewathix gradually until the desired consistency is achieved.

Processing Instructions

With epoxy resin

1. Mix the epoxy resin and hardener thoroughly according to the specified mixing ratio.
2. Add Stewathix gradually after the resin and hardener have been combined.
3. Mix thoroughly until a homogeneous paste is obtained.

Adding Stewathix after mixing the resin and hardener ensures that the correct mixing ratio of the epoxy system is maintained.

With polyester resin

1. Add Stewathix to the polyester resin and mix until evenly dispersed.
2. Add the required amount of MEKP hardener.
3. Mix thoroughly before application.



Storage

Store in the original, tightly closed packaging.

Keep dry and protect from moisture and direct heat sources.

Safety

Avoid unnecessary dust formation during processing.

Wear suitable personal protective equipment such as gloves and safety glasses. Use appropriate respiratory protection when dust may be generated or when working in poorly ventilated areas.

Always consult the Safety Data Sheet (SDS) before use.

Notes

The optimum amount of Stewathix depends on the type of resin, ambient temperature and the required final viscosity. Add gradually and adjust the amount until the desired consistency is reached.