

# SiSiB<sup>®</sup> STP81010

## Silane Terminated Polyether Polymer

### INTRODUCTION

SiSiB<sup>®</sup> STP81010 is alkoxy silane terminated polyether polymer. It can be applied in moisture curing elastic sealant, elastic structure sealant and sealing coatings.

Sealants based on STP81010 have excellent adhesion properties, good adhesion to broad range of substrates, solvent free, isocyanate free, no bubbles and odor generated from curing which are different from polyurethane and silicone system. It is widely used in construction industry, transportation industry and general industry application.

### PROPERTIES

Component:	Silane Terminated Polyether Polymer
Appearance:	Colorless to yellowish liquid
Viscosity 25°C:	500~1500mPa·s
Density 25°C:	1.00g/cm <sup>3</sup>
Boiling point:	>250°C
Flash point:	> 237°C
Water solubility/miscibility:	Virtually insoluble

### FEATURES

- Low activity, Low shrink
- Low viscosity, could add more powder
- Good adhesion strength and tensile elasticity
- Excellent aging and yellowing resistance
- Excellent water resistance and solvent resistance
- Solvent free, odorless , eco-friendly
- Can be blended with other STP polymers

### APPLICATION

SiSiB<sup>®</sup> STP81010 polymer is used as base polymer in elastic sealants, elastic structure sealants, encapsulate adhesives and coatings. The curing mode of the polymer is moisture curing; it can be made into a single component or two-component system.

- High hardness sewing sealant
- Transportation industry elastic sealant

AddSil, CoatSil, Kolark, PowSil, SinoSil, SiSiB, WinSil:  
Trademark of SINOPCC Group Limited or its affiliated.  
© 2018 SINOPCC Group Limited. All rights reserved.  
For further information, please see [www.SiSiB.com](http://www.SiSiB.com).

# SiSiB<sup>®</sup> STP81010

## *Silane Terminated Polyether Polymer*

- Low viscous encapsulate adhesive
- Personal DIY sealant
- Eco-friendly decoration sealant

### PROCESSING

SiSiB<sup>®</sup> STP81010 polymer dissolves readily in standard organic solvents. Despite its highly reactive terminal groups, un-catalyzed STP81010 is stable in air for several days. SiSiB<sup>®</sup> STP81010 polymer can be formulated by conventional methods and mixing processes. Water scavengers, such as SiSiB<sup>®</sup> PC6110, should be added to stabilize the formulations against premature curing during compounding or as a result of exposure to moisture during storage.

### PACKING AND STORAGE

SiSiB<sup>®</sup> STP81010 is supplied in 200Kg steel drum or 1000Kg IBC tote.

In the unopened original container SiSiB<sup>®</sup> STP81010 has a shelf life of one year in a dry and cool place.

### NOTES

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability. We disclaim liability for any incidental or consequential damages.

January 2024 | [Technical Data Sheet](#) | [Edition LR](#)

Please send all technical questions concerning quality and product safety to: [support@SiSiB.com](mailto:support@SiSiB.com).