

# SiSiB<sup>®</sup> STP32020

## Silane Terminated Polyether Polymer

### INTRODUCTION

SiSiB<sup>®</sup> STP32020 is an alkoxy silane terminated polyether polymer. It could be applied in moisture curing elastic sealant, elastic structure sealant and sealing coatings.

Sealants based on STP32020 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 viscous liquid |
| Viscosity 25°C:               | 35000~45000mPa·s                      |
| Density 25°C:                 | 1.00g/cm <sup>3</sup>                 |
| Boiling point:                | >250°C                                |
| Flash point:                  | > 237°C                               |
| Water solubility/miscibility: | Virtually insoluble                   |

### FEATURES

- High activity, Low - medium Modulus
- High transparency
- Good adhesion strength and tensile elasticity
- Fast curing, non-tin catalysts used if needed, more eco-friendly
- Excellent aging and yellowing resistance
- Excellent water resistance and solvent resistance
- Excellent elastic recovery rate
- Excellent storage stability
- Solvent free, odorless , eco-friendly

### APPLICATION

SiSiB<sup>®</sup> STP32020 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 and two-component system.

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# SiSiB<sup>®</sup> STP32020

## *Silane Terminated Polyether Polymer*

- Transportation industry sealant
- Medium, Low modulus construction sealant
- Transparent encapsulate adhesive
- Personal DIY sealant
- Eco-friendly decoration sealant

### PROCESSING

SiSiB<sup>®</sup> STP32020 polymer dissolves readily in standard organic solvents. Despite its highly reactive terminal groups, un-catalyzed STP32020 is stable in air for several days. SiSiB<sup>®</sup> STP32020 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> STP32020 is supplied in 200Kg steel drum or 1000Kg IBC tote.

In the unopened original container SiSiB<sup>®</sup> STP32020 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.

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