

# E80

MS Polymer / Silane Modified STP Resin

## Description

Manta E80 is a mix of Dimethoxy-terminated and Triethoxy-terminated polyether. E80 is important in moisture-curing systems. This system has not only advantages of easy processing and high stability of the formulations, but also very good mechanical properties and adhesive strength that can be adjusted within a broad range.

These products have following advantages: Simple compounding with conventional auxiliaries; Proper viscosity in formulations; High mechanical strength; Rapid curing; Broad adhesion profile

## The Equivalent List

Manta	Wacker	Kenaka
E80	/	

## Typical Physical Properties

Manta code:	E80
Chemical Name:	Dimethoxy-terminated and Triethoxy-terminated Polyether
CAS No.:	N/A
Appearance	Colorless Transparent Liquid
Flash Point (°C):	≥100
Viscosity (25°C) / mpa·s:	8000 - 16000
Density (25°C) / g/cm <sup>3</sup> :	1.02 - 1.05
Catalyst Dosage (Tin, %)	Organic Tin/ 0.5%-1.5%

Chemical Structure:

## Properties

Manta E80 polymer is a clear, colorless viscous Oil. It hydrolyzes in the presence of moisture and tin catalyst to form silanols, which can then react with themselves to produce stable siloxane bonds. Ethanol and methanol vapor in small quantity less than 1.0 percent is released upon cure. This polymer has lower methanol emission.

Formulations with E80 are characterized by the following advantages:

Simple compounding with conventional auxiliaries.

- Proper viscosity in formulations
- High mechanical strength

- Rapid curing.
- Broad adhesion profile

### Applications

This kind of polymer is used as a reactive binder for adhesives and sealants, potting compounds and as additive in coatings. Curing takes place in the presence of water or atmospheric humidity. Depending on the formulation, either one-part or two-part systems can be prepared:

- 1) - Elastic adhesives in structural and automotive engineering.
- 2) - Assembly adhesives
- 3) - Over paintable sealant for construction.
- 4) - Mold-making and potting compounds.

### Packaging

In 200L PVF Steel drum

### Safety and Storage

Keep in a cool and dry place and avoid storage in direct sunlight. Shelf life is 24 months. It is non-hazardous substance.

### Contact Information

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