US POLYMERS–ACCUREZ
SPECIALTY CHEMICALS

# Epi-Tex® 183
## OIL MODIFIED EPOXY RESIN

## DESCRIPTION
Epi-Tex® 183-E Epoxy Ester is an oil modified epoxy resin supplied at 50 percent solids in xylene. It is also available at 70% solids in butyl acetate. It is suggested for use in air-dry and forced-dried industrial and industrial maintenance applications. Common uses include rust inhibitive primers, zinc-rich primers, enamels and clear coats where optimum performance in a single package system is required.

In air-dry formulations, a drier combination of 0.1 percent zirconium, 0.2 percent manganese and 0.04 percent cobalt of metal based on Epi-Tex® 183 Epoxy Ester solids is suggested. In force-dried applications, best results are obtained through the use of rare earth naphthenate driers at a level of 0.01 to 0.04 percent of metal based on Epi-Tex® 183 solids. Epi-Tex® 183 can also be modified with amino resins for baking applications. Levels of 15 to 30 percent of amino resin based on total solids are suggested.

## APPLICATIONS
Corrosion Resistant Industrial Coating

## PERFORMANCE HIGHLIGHTS
- **Good Color**
- **Corrosions resistance**
- **Water resistance**
- **Stability with reactive pigments**

| TYPICAL PROPERTIES | STANDARD | HIGH SOLIDS |
|---|---|---|
| **Viscosity (Gardner-Holdt)** | | |
| **- Solution** | **X-Z** | **Z3-Z5** |
| **- Reduced 50—40% in xylene** | **I-M** | **------** |
| **- Reduced 70—60% in butyl acetate** | **------** | **U-X** |
| **- Reduced 60—50% in butyl acetate** | **------** | **F-J** |
| **Nonvolatile** | **50± 1%** | **70± 1%** |
| **Wt./Gal. (pounds)** | **8.0± 0.15** | **8.4± 0.15** |
| **Color, Gardner, maximum** | **7** | **9** |
| **Acid Value** | **2.5** | **2.5** |
| **Solids (+/- 2)** | **60** | **Z3-Z5** |
| **Solvent** | **Xylene** | **Butyl Acetate** |

## PRECAUTIONS
This product is flammable. Some materials in this product may cause skin and eye irritation and/or sensitization or other allergic responses upon repeated contact. Therefore this product must be handled with extreme care and in strict adherence to good industrial hygiene practices. Before using it or any other product referred to in this bulletin, consult the applicable Material Safety Data Sheets for appropriate handling procedures and protective equipment.



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