

# Product Data Sheet

July 2006

## E-Pos 674X90

### Product description

**E-Pos 674X90** is a semi-solid modified bisphenol A-based epoxy resin in xylene solution (90% m/m resin in xylene). **E-Pos 674X90** has been developed for use in high-solids applications and is characterized by a high degree of flexibility and a reduced solution viscosity.

### Product characteristics

Viscosity <sup>a</sup> @ 25°C	(mPa.s)	:	2000 – 4000
Gardner color		:	3 max
Solids content	(% m/m)	:	90
Specific gravity @ 20°C	(g/cm <sup>3</sup> )	:	1.10
Epoxy equivalent weight	(g/mol)	:	250 – 270 (on solids)

a Brookfield viscosity

### Product applications

**E-Pos 674X90** is used at room temperature in combination with amine-based curing agents in the formulation of two-component systems. This resin has specifically been developed for use in high-solids coatings for metal or concrete protection. **E-Pos 674X90** enables the formulation of anticorrosive paints with a solids content of up to 85% m/m at application viscosity. Compared to solventborne resins, **E-Pos 674X90** has a low solution viscosity, allowing for high pigment and/or filler loading, and exhibits excellent flexibility and impact resistance. This combination renders this resin ideal for use in metal primers as well as in protective top-coats.

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