

POLYMER INNOVATIONS EPOXY ESTER



VaraXyn EE; Epoxy Ester, solvent-based, water-based

Product	Supply Form [%]	Viscosity [mPa.s]/23°C	Acid Value [mgKOH/g]	Oil-content [%]	Main uses and characteristics
EE 410	60 in X	800 – 1.500	0-6	40	General Industrial; mainly for anticorrosive and zincrich primers with excellent long-term , corrosion and water resistance.
EV 412	60 in W	4.500 – 5.700	0-12	40	Vinyl toluene modified epoxy ester resin based on low rosin tall oil and dehydrated castor oil. Used in abrasion resistance paints and varnishes, also on concrete and wood, general industrial, air and stoving primers and topcoats for protective and maintenance systems.
EE 420	60 in X	400 – 750	0-4	40	High flexibility epoxy ester, for general industrial; air drying and stoving primers, protective coatings. Can coatings; overprint varnishes and collapsible tube enamels. Automotive; primer and fillers.
EE 430	50 in S150	1.800 – 2.800	0-5	25	An epoxy ester resin based on coconut fatty acids. In combination with a suitable benzoguanamine resin offers good adhesion to metallic substrates, white base coats and printing inks. FDA approved according § 175.300 and water soluble.
EE 438	60 in X	2.700 – 3.700	0-7	42	Over print varnish, primers, topcoats, with excellent gloss retention and high temp resistance.
EE 440	50 in S150	2.200 – 2.800	0-4	40	Epoxy ester resin based on dehydrated castor oil fatty acids. Used in general industrial air drying and stoving primers, protective coatings, can coatings, overprint varnishes, collapsible tube enamels and automotive primer and fillers. FDA approved according § 175.300 and water soluble.
EE 445	60 in X	2.000 – 2.500	0-6	40	For quick-drying primers and top-coats with very good adhesion and corrosion resistance.
EE 446	60 in X	2.000 – 2.500	0-4	40	For quick-drying primers and top-coats with very good adhesion and chemical resistance.
EZ 451	approx. 51 in G/water	100 – 400	-	41	Epoxy ester emulsion, industrial construction and maintenance metal primers.
EE 463	60 in W	3.000 – 4.000	0-2	-	For universal primers, adhesion and anticorrosive primers.
EE 470	57 in S150/G	3.400 – 4.100	-	-	For high solid over print varnish and 3-P-Cans & white base coats and printing inks. FDA approved according § 175.300 and water soluble.
EE 480	50 solvent-mix	3.000 – 5.000	70-80	-	Water soluble epoxy ester for can coatings and interior coatings, FDA approved according § 175.300 and water soluble.
EE 690	70 in G	20.000-30.000	57	-	A modified epoxy ester solution which, for water-based primers and enamels for air dry and bake applications.
EE 746	50 in X	Soft gel	0-4	40	A thixotropic epoxy ester based on conjugated drying fatty acids, used in air-drying and stoving finishes for adherence primers, anticorrosion and zinc dust coatings.
EE 960	70 in BG	55.000	57	-	A modified epoxy ester solution for water-based primers and enamels, air dry and bake applications., topcoats for metal consumer good, maintenance and dip coatings.
EE 631	60 in W	3.000 – 4.000	max. 2	63	Long oil modified epoxy ester for the production of special rust protection and adhesion primers with good flow and good adhesion properties.
EE 621	60 in W	2.500 – 3.500	max. 2	62	Long oil modified epoxy ester for the production of special rust protection and adhesion primers.
EE 4001	75 in X	max. 15.000	max. 4	41	High solid short oil epoxy ester based on conjugated drying fatty acids for the formulation of low-VOC corrosion protective coatings.



PRODUCTS WITH PERSPECTIVE



Markets & Applications

From building and construction to flexible packaging, from furniture to vehicles, and from consumer goods to general industrial applications like ACE, our sustainable resins are proven to perform – and so is the knowledgeable team behind them.

VARENA CHEMICAL is a global company in the intermediates, coating, adhesives, inks and composite and solid surface resins, thermoset compounds, gel-coats and niche specialties and specialty additives for coatings and inks.

VARENA CHEMICAL is known for its superior quality and impressive range of products and with its excellent distribution network it can provide first-class service to customers whatever their market. Customer Service and Technical Service teams are renowned for their customer focus, offering the best service even after products have left manufacturing.

The group strives to keep customers satisfied, assisting them in producing premium quality products every time they use its products.

Product innovation is important for the group's business and it's the reason for which it constantly works with customers to find solutions to problems.

Introducing new or improved products ensures that **VARENA CHEMICAL** continue not only to deliver what the market wants and needs, but also when it is wanted and needed.



INNOVATIVE TECHNOLOGIES FOR RESINS & ADDITIVES
DR. IRANKHAHI CHEMICAL COMPANY

www.varena-chem.com

info@varena-chem.com