

HyPox[®] RF134I

CTBN-Toughened Bis-F Epoxy Adduct
CAS No. 28064-14-4

DESCRIPTION

HyPox RF134I is a bis-F epoxy resin toughened with CTBN. The CTBN elastomer is adducted to the epoxy resin. The adduct has epoxy functionality and provides improved toughness and impact resistance. HyPox RF134I exhibits superior chemical resistance to CTBN-toughened bis-A epoxy, particularly to 98% sulfuric acid, MEK, toluene, alcohols and other aggressive solvents.

HyPox RF134I is suggested for use in 100% solids civil engineering and chemical-resistant coatings applications. Blends of HyPox RF134I with most standard epoxy resins are possible. Cures can be accomplished with all standard curing agents suitable for epoxy resins. Cure speed is comparable to standard liquid bis-F epoxy resin.

APPLICATIONS

Exterior coatings for:

- Crack bridging in secondary containment coatings
- Impact resistance coatings
- Thermocycling modifier for high chemical resistance coatings
- Toughener for epoxy novolacs
- Toughening of prepregs and composites
- Adhesives

TYPICAL PROPERTIES

Appearance	Slightly Hazy, Clean
Viscosity @ 25 °C, cps	150,000 – 300,000
Epoxide Equivalent Weight, g/eq	285 – 330
CTBN content, %	40% Hypro 1300X13

PACKAGING & AVAILABILITY

HyPox RF134I is available in 55 gal. non-returnable open head steel drums (450 lb. net) and 5 gal. plastic pails (45 lb. net). Bulk shipments are available with adequate lead time.

HEALTH & SAFETY PRECAUTIONS

HyPox RF134I is not a primary skin irritant or sensitizer. However, as with any epoxy material, irritation can result from repeated or prolonged contact. The symptoms of this irritation may appear as a mild reddening or a more pronounced rash. It is, therefore, important to avoid skin contact where possible. Butyl rubber gloves, full eye protection and protective clothing are recommended.

Refer to the Safety Data Sheet on HyPox RF134I for additional safety and handling information. The MSDS is revised as new data becomes available.

DISCLAIMER

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CVC Thermoset Specialties
844 North Lenola Road / Moorestown, NJ 08057
Phone: 856-533-3000 / Fax: 856-533-3003 / www.cvcthermoset.com


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