



MANNICH BASED PHENALKAMINES EPOXY HARDENER AND POLYAMINES

DESCRIPTION :-

EPOXILITE PH – 84 is Mannich based epoxy hardener, a reaction product of distilled cashew nutshell liquid & polyamine. It is high viscosity curing agent for epoxy resins specially developed for the primer for concrete surfaces & potable water contact. In general, it shows the ability to resist moisture while curing & also exhibit rapid cure even at low temperatures similar to other phenalkamines.

Advantages :-

- High viscosity *Fast setting.
- Super Corrosion resistance. *Excellent curing under humid as well as damp conditions.
- Excellent chemical resistance *Work at low humidity.
- Excellent rapid cure even at low temperatures.

Applications :-

- Chemical resistance flooring And coating. * Excellent in Construction purpose
- Self leveling Floorings. * Marine and Industrial maintenance coating.
- Transparent coatings. * Tank lining and Adhesives

Specification Data : Hardener PH –84

Properties	Unit	Typical Value
Appearance	Visual	Reddish Brown
Color	Gardener	19 max.
Mixing Ratio (EEW = 190)	By weight	60
	By Volume	2:1
Viscosity @25 ^o C	cPs	18000- 22000
Pot Life @ 20 ^o C	Min	50 - 75

Typical Prosperities :- Hardener PH - 84

Properties	Unit	Typical Value
Odour	--	Amine
Density	g/cc	0.98
Amine Value	KOH/g	200 - 250
Flash Point	C ⁰	95
Thin film set time	hr	1-1.5

Typical properties are indicated for information only

Additional information Chemical resistance with of epoxy resins

Water	Very Good
Ammonia	Very Good
Cutting Oil	Very Good
Gasoline (Unleaded)	Very Good
Hydrochloric	Very Good
Kerosene	Very Good
Methanol	Very Good
Methyl Ethyl Ketone	Very Good
5% Lactic acid	Very Good

Methylene Chloride	Fair
Phosphoric (10%)	Very Good
Sodium Chloride Brine	Very Good
Sodium Hydroxide	Very Good
Sulfuric (20%)	Very Good
50% Sodium hydroxide	Good
Trisodium Phosphate	Very Good
Xylene	Fair
10% Acetic acid	Fair

Packing :- EPOXILITE PH - 84 is packed and delivered in plastic drums, 30 kg per drum as a standard pack. Other pack sizes are available on request.

Storage :- EPOXILITE PH - 84 should be stored in original tightly closed container, in dry and cool conditions. When exposed to air the product EPOXILITE PH - 84 may absorb moisture which may result in viscosity increase, frothing and white carbonation product deposition. In such case it may affect the appearance of final coating/floor topping. When stored in tightly closed container this product has a storage life of at least one year from the date of manufacturing.

Handling :- Do not mix with epoxy resin until just prior to use since reacts chemically at room temperature. Avoid contact with skin, eyes etc. Please refer to the MSDS of the product for more instructions on safe storage and handling of EPOXILITE PH - 84.

Disclaimer

All recommendations for use of our products whether given by us in writing, verbally or to be implied from the results of tests carried out by us are based on the current state of our knowledge. Although, the information contained in this sheet is accurate, no liability can be accepted in respect of such information. We warrant only that our product will meet the designated specifications and make no other warranty either express or implied, including any warranty of merchantability or fitness for a particular purpose as the conditions of application are beyond our control.

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