



SYNPOL PRODUCTS PRIVATE LTD.

Regd Office & Factory: 77, G.V.M.S. AUDYOGIC VASAHAT LTD.,
ODHAV, AHMEDABAD – 382 415, INDIA

PRODUCT CODE : HARDENER / 04.09

Hardener 345

TYPE : Modified aromatic polyamine hardener.

DESCRIPTION : Solvent free formulated low viscosity aromatic polyamine epoxy adduct.

SPECIFICATIONS :

1) Appearance	Clear dark reddish brown viscous liquid.
2) Specific gravity @ 25 ⁰ C.	1.1 to 1.12
3) Viscosity @ 25 ⁰ C., poises	20 - 40
4) Colour gardener	18 max.
5) Mixing ratio with 100 parts of Synpol 200	60
6) Pot life with Synpol 200, 60 Phr for 100 gm mass, minutes	25 - 35
7) Gel time of 100 gm. mix @ 25 ⁰ C., minutes.	120 - 150

COMPATIBILITY : Hardener 345 is compatible with other aliphatic and aromatic polyamine based hardeners and can be used with liquid epoxy resins based on Bisphenol A and Bisphenol F. It is also compatible with reactive polyamide hardeners , reactive diluents and plastisizers.

APPLICATIONS : Hardener 345 is a low viscosity room temperature curing hardener for liquid epoxy resins. It gives solvent free systems which are easily processed and possess high chemical resistance as compared to Hardener 340 and Hardener 350. It has substantially lower viscosity, excellent aromatic solvent resistance and compatibility with aliphatic amines. It is suggested for coatings for gasoline and fuel oil tanks, metal, concrete and asbestos cement pipes, chemical resisting floorings, sealants. It is also very useful for protective coatings for chemical plants, locks, canal installations, ships and for effluent water treatment plants.

SUGGESTIVE FORMULATION :

Chemical resisting coating.

Synpol 220	kgs.	100
Hardener 345		<u>60</u>
Total		160
Touch dry @ 25 ⁰ C., hours		5 - 7
Hard dry @ 25 ⁰ C., hours		24
Full cure for optimum properties, days		10
Covering capacity, kg./m ² of 1mm thick film on non porous substrate. approx.		1.0 - 1.5

Continued.....

DISCLAIMER: Above Specifications are subject to change without prior notice and company reserves the right to modify the same at any time

MATERIAL SAFETY DATA :

Product name	Hardener 345
Flash point ° C. (Abel closed cup)	100
Flammability	Combustible
Toxicity	Moderate toxic. Avoid contact with skin.
Handling	Keep away from sources of ignition, provide all electric connections of flame-proof design. Wear safety glasses, rubber gloves and protective clothings.
Emergency treatment and measures	
1 Hygienic precautions	Adequate ventilations.
2 Hygienic treatments (First Aid)	Flush eyes thoroughly with water. Apply ophthalmic cortisone for conjunctivitis and keratities. Wash out contaminated skin with soap and water. Gastric lavage (stomach wash), if swallowed, followed by saline catharsis.
3 Fire precautions (in case of outbreaks)	Use dry chemical or carbon dioxide. Water spray may help to keep containers cool, to dilute leaked resins and to diffuse vapours.
Spills and leakage	Absorb liquid materials in sand and collect solid material and burn under hood in incinerator.
Disposal and waste treatment	Spray into furnace under controlled conditions.

STORAGE :

Hardener 345 should be stored in cool place under shade. The properties are so adjusted to have storage stability of minimum 6 months.

PACKING :

25 kgs. M.S. drums, 50 kgs. Plastic carboys and 200 kgs. M.S. barrels.

DISCLAIMER :

Information in this literature is to the best of our knowledge true and accurate. However, since conditions under which our products may be used are beyond our control, recommendations are made without warranty or guarantee.

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