



SYNPOL PRODUCTS PRIVATE LTD.

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

PRODUCT CODE : POLYAMIDE / 02.08

SYNPOL 170

TYPE : Reactive liquid polyamide resin

DESCRIPTION : Accelerated aliphatic amidoamine hardener for ambient cure applications.

SPECIFICATIONS :

1) Appearance	Clear yellowish free flowing liquid.
2) Density @ 25 ⁰ C.	0.985 - 0.995
3) Viscosity @ 25 ⁰ C., poises	4.5-8.0
4) Colour gardner	10 max.
5) Amine value (mg KOH/g) by HCl method.	520-570
6) Mixing ratio with 100 parts of Synpol 200	35
7) Typical gel time of 150 g mix @ 25 ⁰ C., minutes	40-50
8) Typical cure schedule	a) 7-14 days at ambient temperature b) 2 days at 25 ⁰ C + 2 hrs at 100 ⁰ C

SOLUBILITY :

Synpol 170 is soluble in alcohols, glycol ethers, ketones and chlorinated hydrocarbons. It is partially soluble in esters and aliphatic hydrocarbons, and is insoluble in water.

COMPATIBILITY :

Synpol 170 is compatible with all types of liquid epoxy resins, reactive diluents, plastisizers, pure phenolic resoles, and non-reactive polyamides.

APPLICATIONS :

Synpol 170 is an accelerated aliphatic amido-amine curing agent for use in the room temperature curing of liquid epoxy resins. Special features of this hardner include its low viscosity, its ability to cure in damp conditions and give excellent bonds to materials of construction and particularly to concrete.

Synpol 170 finds many applications in civil engineering including matt flooring, concrete coating and repair or patching compounds and in adhesives for bonding new concrete to old concrete.

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MATERIAL SAFETY DATA :

Product name	Synpol 170
Flash point ⁰ C. (Abel closed cup)	Above 120
Flammability	Combustible
Toxicity	Mild toxicity by exposure and inhalation due to presence of very small quantity of polyamines.
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 :

Synpol 170 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 180 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.

Issue date : Jan. 2009

Riv-04