



SYNPOL PRODUCTS PRIVATE LTD.

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

PRODUCT CODE : HARDENER / 04.04

Hardener 260

TYPE : Modified aliphatic polyamine hardener.

DESCRIPTION : Epoxy hardener based on modified aliphatic amine.

SPECIFICATIONS:

1) Appearance	Clear pale yellow viscous liquid with characteristic odour.
2) Density @ 25 ⁰ C.	0.99 - 1.01
3) Viscosity @ 25 ⁰ C., cps.	70 - 90
4) Colour	4 max.
5) Amine value, mg. KOH/gm by HClO ₄ method	900 - 950
6) Amine equivalent weight aprx.	44
7) Mixing ratio with 100 parts of Synpol 200	22 - 24
8) Cure schedule @ 25 ⁰ C., hrs.	16 - 24
9) Pot life @ 25 ⁰ C., of 100 g mix with Synpol 200, mts.	25 - 50
10) Peak exotherm temperature in ⁰ C of 100 g mix with Synpol 200.	175° to 210°

COMPATIBILITY:

Hardener 260 is compatible with modified and unmodified liquid epoxy resins, reactive diluents, plastisizers.

APPLICATIONS:

Hardener 260 with suitable grade of liquid epoxy resin is very useful in formulation of solvent free coatings, castings, sealing and laminating. It provides very good wetting properties to glass fiber in laminating applications. It is also suggested for clear and pigmented coating for requiring high chemical, water and solvent resisting properties. Hardener 260 in combination with liquid epoxy resin Synpol 200 is very useful as sealing agent, protective coating on concrete, spontaneously spreading floor coatings, adhesive primers on steel and concrete, road surface coating, marine paints, linings of swimming pools and settling tanks, channels and pipes. It may be used as injection repair of cracks in concrete structures.

SUGGESTIVE FORMULATION :

Electrical encapsulating compound.

Part I		kgs.	
	Synpol 200	100	
	Aerosil 200	5	
	Silica flour	<u>73</u>	178
Part II			
	Hardener 260	<u>22</u>	<u>22</u>
		Total	200

Pot life @ 25⁰ C., mts. 10 - 20

Cure schedule @ 25⁰ C., hrs. 24 - 36

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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 260
Flash point ° C. (Abel closed cup)	25
Flammability	Combustible.
Toxicity	Moderately toxic. Irritant to skin and causes inflammation. 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 260 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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