



SYNPOL PRODUCTS PRIVATE LTD.

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

PRODUCT CODE : POLYAMIDE / 02.04

SYNPOL 130

TYPE : Reactive polyamide resin.

DESCRIPTION : Medium viscosity aqueous solution of polyamide hardener.

SPECIFICATIONS :

1) Appearance	Clear yellowish brown viscous resin.
2) Density @ 25 ⁰ C.	1.03 - 1.04
3) % Solids @ 130 ⁰ C for 2 hrs.	68 - 72
4) Solvent	Water
5) Viscosity @ 25 ⁰ C, in poises of 50 % solution in water	180 - 220
6) Colour gardner	10 max.
7) Amine value (mg KOH/g) by HCl method. (of supply)	220 - 240
8) Mixing ratio by weight with 100 parts of Synpol 200	80 - 90

SOLUBILITY : Synpol 130 contains water as solvent and can be further diluted up to 20% non-volatile contents. The solution is stable in storage and resistant to frost. However water miscible organic solvents like lower alcohols, glycols may be added if required. 10% xylene or ethanol when added with epoxy resins increases pot life to 90 minutes. While 10% benzyl alcohol or N-Butyl alcohol increases pot life to 120 minutes.

COMPATIBILITY : Synpol 130 is compatible with unmodified liquid epoxy resin based on Bisphenol A like Synpol 200, modified liquid epoxy resins like Synpol 220, Synpol 230 and epoxy novalac resin.

APPLICATIONS : Synpol 130 in combination with liquid epoxy resin Synpol 200 is highly suitable for formulating cold curing, water emulsifiable maintenance coatings primarily for application to inorganic substrates such as plaster, concrete, masonry, etc. Synpol 130 is readily pigmented owing to its good wetting out properties. Synpol 130 acts as an emulsifier as well as curing agent, when used with non-emulsifiable grades of liquid epoxy resins.

SUGGESTIVE FORMULATION :

Water dilutable coatings for concrete and metal surfaces

Part I		kgs.	
	Titanium dioxide rutile	20.0	
	Synpol 130	16.0	
	Water	<u>44.0</u>	<u>80.0</u>
Part II			
	Synpol 200	<u>20.0</u>	<u>20.0</u>
	Total	100.0	

Disperse Titanium dioxide in mixture of Synpol 130 and water. And add under high speed stirring Synpol 200 shortly before use.

% Non-volatiles	51.2	Dust free time, hrs.	8
Pot life @ 25 ⁰ C., aprx. minutes	60 - 90	Full cure @ 25 ⁰ C., days	10

ADVANTAGES : No organic solvents, therefore no flash point and hence no fire risk. Coating gives good adhesion when applied to damp inorganic substrate. Above formulation gives outstanding adhesion even to difficult substrates like tin plates, aluminium or on fully cured epoxy coatings.

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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	Synpol 130
Flash point ⁰ C. (Abel closed cup)	Does not support combustion as it contains water.
Flammability	Does not support combustion.
Toxicity	Mild toxicity by exposure and inhalation due to presence of very small quantity of polyamines.
Handling	No special conditions for storage required. However it is advisable to wear safety glasses, rubber gloves and protective clothings.
Emergency treatment and measures	
1 Hygienic precautions	Adequate ventilation.
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 130 should be stored in cool place under shade. The properties are so adjusted to have storage stability of minimum 6 months.

PACKING :

50 kgs. Plastic carboys and 180 kgs. lined or plastic 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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