



SYNPOL PRODUCTS PRIVATE LTD.

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

PRODUCT CODE : ACRYLIC / 06.09

SYNPOL AT-67

TYPE : Acrylic co-polymer based polyol for polyurethane applications.

DESCRIPTION : High viscosity hydroxyl functional acrylic co-polymer solution.

SPECIFICATIONS :

1) Appearance	Water clear viscous liquid.
2) Density @ 25 ^o C.	1.02 - 1.03
3) % Solids @ 150 ^o C. for 30 minutes.	56 - 60
4) Solvent (mixture by weight)	Xylene : Cellosolve acetate (2 : 1)
5) Viscosity @ 25 ^o C. , poises, gardner	30 - 45
6) Acid value of resin solids, mg. KOH / gm.	8 max.
7) Hydroxyl value of resin solids, mg. KOH / gm.	85 - 95
8) Hydroxyl equivalent weight of resin solids, aprx.	600
9) Mixing ratio of 100 parts by weight of Synpol AT-67	With Desmodur N-75 25 parts Or with Synpol L-75 32 parts

SOLUBILITY : Synpol AT-67 is soluble in ketones, esters and aromatic hydrocarbons. The solvents chosen for paints and lacquers should be free of water, alcohols and active hydrogen containing chemicals.

COMPATIBILITY : Synpol AT-67 has very good compatibility with all types of aliphatic and aromatic polyisocyanate and their adducts. However it is advisable to check its compatibility prior to use.

APPLICATIONS : Synpol AT-67 when formulated along with polyisocyanate crosslinkers gives coatings with stain resistant properties with excellent gloss, hardness, moderate flexibility, very good adhesion coupled with resistance to mild organic acids, oils, grease, soaps and detergents. Synpol AT-67 finds application for kitchen appliances, laboratory and hospital equipments, electrical and electronic instrument panels and automobile finishes, etc. Synpol AT-67 with aliphatic polyisocyanate crosslinkers like Desmodur N-75 gives excellent outdoor durability coupled with superior glossy non-yellowing surface for extended period as compared to aromatic polyisocyanates like Synpol L-75.

SUGGESTIVE FORMULATIONS :

White glossy two pack non-yellowing polyurethane enamel.

Part I	kgs.	
Titanium dioxide rutile	24.6	
Synpol AT-67	48.0	
Butyl acetate	<u>9.4</u>	82.0
Part II		
Desmodur N-75	12.0	
Cellosolve acetate	<u>6.0</u>	<u>18.0</u>
Total		100.0

White two pack polyurethane coating.

Part I	kgs.	
Titanium dioxide rutile	24.6	
Synpol AT-67	43.0	
Butyl acetate	<u>9.4</u>	77.0
Part II		
Synpol L-75	17.0	
Butyl acetate	<u>6.0</u>	<u>23.0</u>
Total		100.0

% Solids	62.4
Viscosity @ 25 ^o C, cps.	400
Pigment binder ratio	40 : 60

% Solids	63.15
Viscosity @ 25 ^o C, cps.	400
Pigment binder ratio	39 : 61

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	Synpol AT-67
Flash point ° C. (Abel closed cup)	30
Flammability	Moderate fire risk due to presence of solvents like Xylene, Cellosolve acetate.
Toxicity	Moderate toxic by exposure and inhalation of vapours of Xylene, Cellosolve acetate and traces of free monomers.
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 AT-67 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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