



# SYNPOL PRODUCTS PRIVATE LTD.

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

PRODUCT CODE : HARDENER / 04.32

## Hardener 410 PM

TYPE : Epoxy hardener based on aliphatic amine epoxy adduct for solvent based chemical resistant coatings.

### SPECIFICATIONS :

1) Appearance	Clear light yellow liquid
2) Specific gravity @ 25 <sup>0</sup> C.	0.9 - 1.1
3) % Solids @ 120 <sup>0</sup> C. for 2 hrs.	46 - 50
4) Solvent	PGME
5) Colour value, gardner	3 max.
6) Viscosity @ 25 <sup>0</sup> C., poises	20 - 60
7) Amine value by HClO <sub>4</sub> method, mg. KOH / gm of supply	80 - 100
8) Mixing ratio with 100 parts of Synpol 450 XX	80 - 100
9) Active H equivalent weight	370

### COMPATIBILITY :

Hardener 410 PM is compatible with all types of epoxy resins generally used for ambient temperature curing chemical resistant coatings.

### APPLICATIONS :

Hardener 410 PM is an aliphatic amine epoxy adduct solution for ambient cure, solvent based epoxy coatings. Chemical resistance is strongly influenced by choice of solvent in total formulation. In general these curing agents exhibit reasonable resistance to water and aqueous media except organic acids. Resistance is poor against active solvents such as ketones and glycol ethers. Hardener 410 PM is recommended for general purpose primers and finishes

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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 410 PM
Flash point ° C. (Abel closed cup)	38
Flammability	Moderate fire risk.
Toxicity	Mild toxic. Avoid direct 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 410 PM 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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