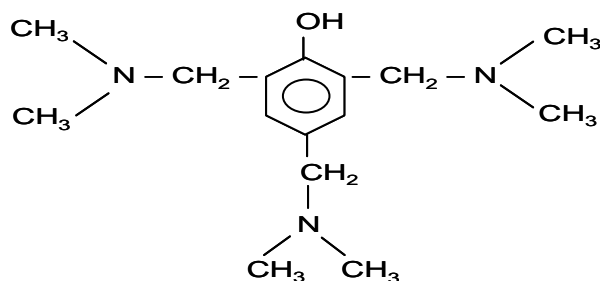




## PCAT - 1030 EPOXY CATALYST

**PCAT - 1030** is tris-(dimethyl-aminomethyl) phenol, a technical grade curing agent. It is Lewis Base catalyst, works to boost the curing mechanism of epoxy resin. It activates the reaction of epoxy resin with polyamide, their adducts, amidoamines, amine adducts, phenalkamines & phenalkamides etc., It also helps to activate the reaction between epoxy polysulphides, various aliphatic acids & anhydrides. Generally, it is also use to catalyse & accelerate reaction between polyols / isocyanates & tzimerization of isocyanates.

### Chemical Structure



### Novel Features

- Compatible with most of epoxy resins, epoxy curing agents, polar and non polar solvents.
- Boosts the curing mechanism of epoxy with amines, acids, acids anhydrides, polysulphides, polyols with isocyanates.
- Improves the speed of drying of phenalkamines at low temperatures.

### Applications

#### 1. Accelerator for Epoxy systems for end uses like

- i) Industrial
- ii) Marine
- iii) Adhesives
- iv) Composittes
- v) Castings
- vi) Concrete
- vii) Floorings
- viii) Laminations



### Typical Properties

Sr. No.	Property	Unit	Specification
i)	Appearance	Visual	Redish brown liquid
ii)	Colour	Gardner	<8
iii)	Odour	-	Odour of amine
iv)	Viscosity @25° C	cPs	200 - 500
v)	Flash Point ( Closed Cup )	C° / F°	140° / 284°
vi)	Density @25° C	g / cm <sup>3</sup>	0.96 - 0.98
vii)	PHR Epox as an accelerator	--	5 - 15
viii)	For liquid Polysulphide/Epoxy cure Catalyst	--	5 - 15
ix)	Pot life with Catalyst 10 PHR @25° C	--	40 – 45 min.

### Storage & Stability

Paladin **PCAT - 1030** has storage stability of 2 years. Containers with this chemical should be kept tightly closed to avoid contamination. It is to be stored in cool & dry place.

### Handling Precautions

May be harmful if ingested or absorbed through the skin & can cause sensitization. Will cause severe inflammation in contact with eye & skin. Wash thoroughly after handling. Adequate ventilation is essential during application. Containers should be tightly closed when not in use or during transportation. Do not inhale mist or vapours. It is recommended to use gloves, safety glasses & protective clothing for safe handling.

### First AID

In case of

- Inhalation** : Remove to fresh air & give oxygen if breathing is difficult.
- Ingestion** : Give plenty of water. Do not induce vomiting. Contact a physician.
- Contact with eyes** : Flush eyes with plenty of clean water for at least 15 minutes.
- Contact with skin** : Immediately wash with mild soap & water.

### Disclaimer

All information contained is based on practical experience. Our technical advice – whether verbal, written by way of trials are given in good faith. Neither warranty nor guarantee is offered or implied & accepted at the seller's risk, since the actual conditions prevailing at the time of using this product are outside the control of the company. Hence it is entirely buyer's & user's responsibility. While the information contained here in is believed to be reliable. **Paladin Paints & Chemicals Pvt. Ltd.** makes no representations as to the results the user or buyer will attain. Product performance & full scale testing are the responsibilities of the buyer & user.

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