

# Polyamide Epoxy Hardener

## Description

Poly amide hardener is same grade with 20% xylene solvent.  
This hardener give good adhesion, flexibility and high impact resistance to final epoxy product.

Properties		Method	
Viscosity	C.P	600 -1000	60% xylene 25 C
Color	mg KOH/gr	Max 10	100%
Density	gr/cm3	0.99-1.10	100 % , 25 C
Acid value	mg KOH/gr	Max 3	100%
Amine value	g/eq	185-220 230-260	H-115 H-115 X 80
H active	%	240	H-115 X 80
Solid content		96-100 78 -82	H-115 H-115 X 80

## Special feature

- Good hardness
- Good flexibility and high impact resistance
- Good adhesion

## Application

Using in all kind of epoxy paints with ability of air drying in room temperature.

## Storage and shelf life

This material need to store in sealed package and away from sun radiation and under 35 centigrade degree.  
The shelf life of this material under right condition is 10 month after production.  
H115 is soluble in many aromatic, alcoholic and ether based solvents. In case of leakage or cleaning this material from anything, you can use IPA ( iso propyl alcohol).

## Use dosage

Wight (gr) of hardener for 100gr epoxy resin is calculated by this equation:

$$\frac{\text{H.Active/ Hardener solid content}\%}{\text{EW/Resin solid content}} * 100$$



# Polyamine Epoxy Hardener

## Description

Polyamine epoxy hardener is a low viscosity, modified cycloaliphatic polyamine curing agent.

## Application Areas

This product is used in the formulation of room temperature curing compositions such as industrial floorings, tank linings, solvent-free coatings, concrete adhesives, etc

## Benefits

- Low viscosity
- Excellent surface appearance
- Imparts good mechanical performance
- Good balance of hardness and flexibility

## Safety, Storage & Handling

Polyamine epoxy hardener is slightly hygroscopic and should be stored at room temperature in conditions such that moisture is excluded, in the original containers kept tightly closed. Under these conditions the **shelf life** should be a minimum of two years from date of certification.

Product Specification Property	Unit	Value	Test Method /Standard
Viscosity at 25 °C	Pa.s	0.5-0.7	ASTM D445
Color	Gardner	2 max	ASTM D1544
Basic nitrogen content	% m/m	6.0-8.0	ASTM D2896
Hydrogen equivalent weight (HEW)	g/eq	102-105	Calculated
Density at 25°C	kg/l	1.03	ASTM D792
Recommended proportion with Epiran 06SPL	phr	54	calculated
Pot life at 25 °C	min	35-40	

