



Hardener H-150.X80 & H-150

H-150 is poly amide and poly amine hardener for epoxy resins in room temperature. H-150.X80 is same grade with 20% xylene solvent.

This hardener give good adhesion, flexibility and high impact resistance to final epoxy product.

1- Physical properties:

properties	unit	value	Details
Viscosity	c.P	600-1000	@60%xylene , 25 C
Density	gr/cm3	0.99-1.10	100%, 25 C
Color	mg KOH/gr	Max 10	100%
Acid value	mg KOH/gr	Max 3	100%
Amine value	g/eq	220-250	H-150
		175-210	H-150.X80
H active	%	190	H-150
		237	H-150.X80
Solid content		96-100	H-150
		78-82	H-150.X80

2- Special feature:

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

3- Application:

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

**4- 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.

H-150 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).

5- Use dosage:

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

$$\frac{H.Active / Hardener solid contant \%}{EEW / Resin solid contant} * 100$$

For example: 100gr of EPM11.X75 (EEW 500 for 100%solid content resin) need 29 to 30 gr of H-150 or 36 to 37gr of H-150.X80.

*: H.Active and EEW for hardener and resin is 100%.