



Hardener H-115 X 80 & H-115 100

H-115 is poly amide and poly amine hardener for epoxy resins in room temperature. H-115 X 80 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	230 -260	H-115
		185-220	H-115 X 80
H active	%	193	H-115 100
		240	H-115 X 80
Solid content		96-100	H-115
		78 -82	H-115 X 80

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.

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).

5 - Use dosage:

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

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

For example : 100 gr of EPM 11 X 75 (EEW 500 for 100%solid content resin) need 29 to 30 gr of H-115 100 or 36 to 37 gr of H-115 X 80.

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