



An ISO 9001:2015 Certified Company



JYOTI
ENTERPRISE

MFG. OF : ALL TYPE OF INSULATING VARNISHES, THINNERS, EPOXY, PU RESIN & ALLIED PRODUCTS.

63, 64, Sahitya Industrial Hub, Part-1, Nr. Shyam Estate, Bakroi-Gatrad Road, Bakrol Bujrang, Ta. Daskroi, Dist. Ahmedabad-382430.

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JYOTI INSULATING VARNISHES

JYOTI-B-92

(A PHENOLIC RESIN BASED, FAST AIR DRYING VARNISH)

- **JYOTI-B-92** is an Air-drying Insulating varnish based on phenolic resin. It is fast air drying and useful for Thermal Class B(130o C). It is used as finishing varnish and impregnating varnish to protect Electrical machines and appliances against moisture and chemicals.
- The elastic varnish film is characterized by very good mechanical properties such as hardness, flexibility, penetration, Adhesion and Bonding strength. The cured film is resistance to moisture, dilute acids, alkalis, chemicals like benzene & toluene oils and tropical Climate from 0oC to 55oC. It has good dielectric behavior and dielectric strength.
- **APPLICATION METHOD:-**

JYOTI-B-92 can be applied by spraying, brushing & dipping methods. Curing occurs at room temperature but can be made faster by heat. The supplied is used in application methods and second coat is done after 60 minutes, if desired.

The varnish filled tank is covered tightly to prevent losses of solvents viscosity can be well maintained. Otherwise THINNER-B-92 is used to adjust optimum viscosity.

USES:-

JYOTI-B-92 is used as a finishing, impregnating & coating varnish for staves, Transformer, electric motors, transformer oil tanks, synthetic resins, stamping stacks Bonded Phenolic laminates circuit boards. JYOTI-B-92 is used to protect against chemicals & moisture to above electrical appliances.

➤ **SPECIFICATION:-**

Colour & Appearance			Ruby Red liquid
Viscosity at 23°C	DIN 53211/CUP4	Sec.	65-70
Solids contents	1.5 gm/130 oC/2h	%	45+- 1 48+-1
Density at 23°C	ISO 1675	g/m	0.890 to 0.900(typical)
Flash point	(Closed cup)	oC	38
THINNER			Thinner- B - 92
Storage life	When stored in original Sealed Container at R.T	Month	12



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➤ **Drying Properties at room temperature (25°C - 35°C)**

Surface Dry time	Min.	30 typical
Track free time	hour	1
Hard Dry time	hour	24

➤ **Note:-** The cured Varnish film properties are achieved after 24 hours only.

➤ **CURING SCHEDULE:-**

8 to 10 hours at room temp (25°C-35°C) or 1-2 hours at room temperature followed by 4 to 6 hours at 80-100 °C

➤ **CHARACTERISTIC OF THE CURED VARNISH FILM:-**

Specimen curing: - 48 hours at room temperature for each coat.

Test according to IEC 464- II/IS 10026-II-1982

Water absorption	At 25°C	%	2.5
Flexibility (mandrel test)	3 mm mandrel		No cracking
Tracking Index	IEC 112 no. of drops	At 200v	> 200
Volume resistivity	At RT (500 VDC)	ohm.cm.	1015
	After 168h water-	ohm.cm.	1015
Dielectric loss factor	At RT (30v/1 KHZ)		0.018
	At 120 oC		0.084
Dielectric Constant	At RT (30v/1 KHZ)		3.0
	At 120° C		3.5
Dielectric Strength	At RT After 24h water	kv/mm	115
	Immersion at RT	kv/mm	100

➤ **PACKING:-**

JYOTI-B-92:- 200ml.x 75 bottles, 450gm.x 30 bottles, 900gm.x 15 bottles & 4 kgs x 4 in pet

Bottles in one corrugated Box. 21 kg. & 180kg in M.S. containers.

THINNER B-92 :- 850 gm. 4,21 & 165 kgs in metal containers.

NOTICE :- The above information is based on the result of experimental work in our Laboratory and is correct to be best of our knowledge. No liability is accepted by us for any damage, injury or loss resulting from the use of information.