

1. Product and Company identification

Trade Name	PLAZA Insulating Varnish - GOLDEN (Phenolic Resin Based, Fast Air Drying Varnish)
HSN Code	3208

2. Composition / information on ingredients

Ingredient name	Solvented air drying Impregnating/finishing varnish.
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3. Specifications

Color and Appearance			Brown clear / Reddish Brown clear Liquid
Solids content	1.5 g/130°C/2 h	%	45-48
Viscosity at 30°C	DIN 53211/cup No. 4	seconds	25-35
Density at 30°C	ISO 1675	g/ml	0.89 (typical)
Flash point	Closed cup	°C	38 (typical)
Recommended Thinner			PLAZA-A1 Thinner
Compatibility with PLAZA-A1 Thinner			1 : min 1
Storage life	When stored in original sealed container at RT	months	12

4. Drying properties at room temperature (25-35°C)

Surface dry time		Minutes	10
Tack free time		Minutes	30
Hard dry time		Hour	24

5. Curing Schedule

8-10 hours at room temperature (25-35°C) or 1-2 hr at room temperature followed by 4-6 hr at 60 - 80°C. The cured varnish film properties are achieved after 24 hours only.

6. Cured Film Properties (Specimen Curing - 48 hrs at R.T. for each coat)

Water absorption	96h at 25°C	%	2.5
Flexibility (Mandrel Test)	3 mm Mandrel		No cracking
Tracking Index	IEC 60112	at 200 V no. of drops	> 200
Volume resistivity at 500 V DC as per IEC 60455-2	at R.T. after 168 h water immersion at R.T.	ohm.cm	10 ¹⁵ 10 ¹⁵
Dielectric loss factor 30 V/1 kHz as per IEC 60455-2	at R.T at 130°C	—	0.018 0.084
Dielectric constant at 30 V/1 kHz as per IEC 60455-2	at R.T at 130°C	—	3.0 3.5
Dielectric strength as per IEC 60455-2	at R.T. after 24 h water immersion at RT	kV/mm	115 100