

TECHNICAL DATA SHEET

PRODUCT CODE

- SM0-90/02

PRODUCT NAME

- Flexo Varnish (Lacquer) for Silk Screen



DESCRIPTION

- SM0-90/02 is an epoxy acrylate based overprint varnish used in offset applications on many substrates like paper, cardboard and some plastic based substrates (PVC, OPP, PP, PE, ..) etc.

APPLICATIONS

- SM0-90/02 is used only in flexo printing application
- Procedure is the same as any other UV coating material.
- SM0-90/02 can cure very rapidly under UV radiation.
- Coated sheets can be stacked immediately after curing no blocking will occur.

PHYSICAL PROPERTIES

- SM0-90/02 is %100 solid after curing.
- Viscosity is about 90 seconds @ DIN CUP No:4 (20 oC).
- Viscosity can be modified according to customer's demand.
- Flexo UV varnish is clear and has a very light yellow color in its packaging. Due to the performance chemicals, it can be slightly turbid but it doesn't effect the clearness or glossiness of cured film.
- Odorless.

FILM PROPERTIES

- Creates brilliant, high glossy finish.
- Clear and flexible coating.
- High slip properties.
- High anti-blocking properties.
- High speed curing at conventional UV curing systems

STORAGE STABILITY

- Minimum 6 months at 25 C in sealed closed and nontransparent container. Keep the product away from sunlight

HEALTH AND SAFETY

- SM0-90/02 is formulated and manufactured with the raw materials from ISO 9001 proved suppliers.

PACKAGING

- 20 kg buckets
- 20 kg jerrycan
- 200 kg drums
- 5 Kg buckets
- 1000 Kg IBC

KEY DATA

Visual	Clear Liquid	
Viscosity (25 °C) <i>DIN Cup 4 (second)</i>	90±5	mPa.s
Density (25 °C)	1,05 ~ 1,15	gr/cm ³
Curing Properties <i>(With medium pressure Hg Lamb)</i>	1-4 micron film can be cured under 30- 50 mj/cm ² UV radiation	

COMPOSITION INFORMATION ON INGREDIENTS

Oligomers (Acrylate Based)	40-60 %
Reactive Diluents (Acrylate Based)	30- 45 %
Photoinitiators	2- 10 %
Performance Additives	0- 4 %

Esa Kompozit Ve Teknolojik Çözümler Mühendislik Sanayi Ticaret A.Ş.

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