

TECHNICAL DATA SHEET

TVW-100

Water Based Foil Adhesive

- Water based adhesive for hot stamping foils. It is suitable for screen printing.
- High washing fastness is achieved when printed under specified conditions.
- Washing tests should be performed 24 hours after foil printing.

PROPERTY	UNIT	VALUE
Appearance	-	Paste
Odor	-	Characteristic
Film color	-	Transparent
Density	g/ml	1,00-1,05
Viscosity (IKA me-vi, sp:10, 2 rpm, 20 °C)	mPa.s	>100.000
pH	-	7,5-8,5
Boiling point	°C/°F	>100/212
Solubility in water	-	Miscible
Explosion hazard	-	Not explosive

APPLICATION METHOD

- TVW-100 should be fixed at 150-160 °C (302 °F-320 °F) for 1.5-2.5 minutes.
- Foil printing should be carried out at 150-170 °C (302 °F-338 °F) and 4-6 bar pressure within 15-20 seconds.
- Printing time and temperature can be increased or decreased depending on the hardness of the foil.
- It is recommended to use the screens that are made silk number 43T.
- 50-70 shore squeegee blades should be used.
- The silk-screen should be cleaned with water after use.
- TVW-100 should be stored between 5-30 °C (41 °F-86 °F). Avoid direct sunlight and keep containers tightly closed.
- TVW-100 should be consumed within 1 year after production date.

PACKAGING

- 10 kg, 30 kg, and 60 kg plastic packagings