

TECHNICAL DATA SHEET

TVW-120

Water Based Foil Adhesive

- Water based adhesive for hot stamping foils. It is suitable for fine details in 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-120 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 between 43T and 55T.
- 50-70 shore squeegee blades should be used.
- The silk-screen should be cleaned with water after use.
- TVW-120 should be stored between 5-30 °C (41 °F-86 °F). Avoid direct sunlight and keep containers tightly closed.
- It should be consumed within 1 year after production date.

PACKAGING

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