

EP SERIES PASTES

PVC& PHTHALATE-FREE PASTES

- PRODUCTS** : **EP 1902 CLEAR (Finishing Agent)- Clear**
- FEATURES** :
- PVC&Phtha-Free oil based pastes,
 - High and Sharp Lines in print effect, Excellent elasticity,
 - Ability to work with High Mesh Numbers, no stoppage,
 - Comfortable and long term working condition in the screen,
 - Compliance with ecological standards.
- APPLICATION** :
- EP Ecoil Series oil based inks include conveyor pastes and concentrated pigments. EP series concentrated pigments are applied together with EP-1902 Clear for the colouring of print applications over light coloured fabrics. For dark coloured fabrics, adding to that, EP 1907 white should be applied. For the colourings, EP1907white should not be applied alone, should be applied together with minimum 50% EP 1902. EP series concentrated pigments should be applied maximum 5%. EP 1907 White may be applied as ground in dark coloured fabrics. Sample formulations for the main colours applications are given below. Should be careful for the migration for the light coloured prints that yellow and red is applied in minimums and prints should be fixed very well in general.
- COLOUR** : EP Series Pastes are coloured by unique EP concentrated pigments.
- VISCOSITY** : (Brookfield 25°C Sp:7, Rpm:1) 500,000–2,000,000 mPas
- SCREEN** : 55/T-62/T-77/T-90/T Treads/cm is advised.
- FIXING** : Fixing temperature and time; 165°C-175°C'de, 1,5-2 minutes.

- CLEANING** : Screen and all other equipments may be cleaned by synthetic thinners.
- WASHING** : All group must be washed in 40°C and below. Prints with glitter adhesive, flock binder and puff paste must be reverse washed.
- PACKING** : Plastic Packages of 5-6Kg.
- STORAGE** : Product should be stored at well ventilated room with between +10°C and +25°C temperature. It should be away from direct sunlight, excess heat and cold. Products should be stored with their sealed container. Expiry date is 12 months from the production date.

SAMPLE FORMULATION

FOR PREPARATION OF RED COLOUR :

EP1902 Clear:95gr
EP1956Dark Red:1,5gr
EP1958Light Red:3,5gr

FOR PREPARATION OF YELLOW COLOUR :

EP1907White: 40gr
EP1902Clear: 55gr
EP1950Light Yellow: 5gr

FOR PREPARATION OF BLUE COLOUR :

EP1907White: 20gr
EP1902Clear: 75gr
EP1964Blue: 5gr

EP 1954 ORANGE DISPERSION,

When combined with EP 1970 BLACK, carcinogenic aromatic amine, 3,3-dichlorobenzidine may be identified on a level or over determined by law. For obtaining specific tones, ORANGE (Orange 34) and BLACK (Black 7) should not be applied together, instead of that different combinations of pigment dispersion should be preferred.

FOR HIGH DENSITY SCREEN EFFECT,

May be printed by EP1901HIDENSITY high density screen paste. Before applying high density screen Prints EP1901 or EP1902 Clear should be printed as a ground. This application enables better high density screen prints and better holding of the ink to the fabric. Colouring may be done by EP concentrated pigments. Adviced level is maximum5%. For reducing, EP1911 Reducer 2-4 % may be used.

FOR FLOCKING APPLICATIONS;

EP 1901 HIDENSITY high density screen printing paste: 95gr
PA1465Catalyst: 5gr

FOR PUFF EFFECT,

%20-50 of EP1920 is advised to apply in EP1902 Clear. May be coloured by EP concentrated pigments. Advised level is max 5%. For an easy colouring ratio of EP1902 clear may be increased. For a much more puff good effect, it is advised to print EP1907 white as ground.

Sample formulation for preparation of RED Colour Puff Effect Paste:

EP1920 Puff: 20-50gr
EP1902 Clear: 75-45gr
EP1956 Dark Red: 2gr
EP1958 Light Red: 3gr

For Glitter Prints;

Print may be done by adding 10-20% glitter to EP 1925 Glitter Adhesive.

For Brilliant Effect,

EP 1926 BRILLGEL paste may be printed directly over a ground print of coloured EP 1902 Clear. Applied gel will enable the prints to be more shiny, vivid and bright.

EP1980 BRILLSILVER and EP 1985 BRILLGOLD pastes may be printed with normal and high screens.

Considering that EP ECOIL series are oil based, to pay attention to the following application conditions are very important for a better printing operation.

- Drying of the prints are very important for the applications of Oil Based Ecoil Products! Because of that reason it is recommended to check and confirm whether the printing temperature is convenient for the fabric or not!
- Complying with above mentioned fixing degree and fixing time is important.
- 2 or more short time fixing must not be applied apart from the mentioned fixing conditions. Curing must be completed at once in mentioned minutes.
- Flash curing should be done carefully.
- Silicon screen separator sprays or similar other chemicals must not be used during and after printing.
- Any other products excluding EP Group must not be used. (EP Group is specific group of products, must not be mixed with any other product, only with its own group)
- Any silicon or softeners on the fabric may decrease the quality of the printing. (any chemicals on the fabric from finishing process)



TDS

TECHNICAL DATA SHEETS ECOIL OILBASED INKS

- High percentage of polyester, polyamide (nylon) and similar other fibers in the fabric may disable the holding of the ink to the fabric and may decrease the quality of holding,
- Normal and vapoured ironing must not be done over a surface of a fabric printed by EP Series ,
- After fixing or during packaging, printed surfaces of fabrics must not be placed over one surface to another unprinted surface. To prevent any touch of printed surfaces it is recommended to use Indian Paper.
- To prevent oiling, it is recommended to add 3-5% EP 1920 Puff Paste while printing high screen,
- It is recommended to be careful for the reducer which may speed up or increase oiling,
- After some time, oiling may be observed over the printed ground where ink is applied.

If above mentioned parameters are not well followed, ink will not hold the fabric successfully and bonding will not be satisfactory. Because of that not bonding parts inside the ink may pass to fabric. (may cause oiling).

Note :Above mentioned qualified data is obtained from our R&D tests done in our own R&D labs. Supplied as General Knowledge and Information only and should not be considered as a Warranty Information. Printing Quality may change for different company conditions. Please start your production process after completing your own trial tests. Please stir before using the product and keep the product in room temperature.