

DYNAMIC INK DUCT MATT

Water based ink duct matt coating

KEY CHARACTERISTICS

- An innovative creation to replace additional coating unit and processing
- For board and paper
- Excellent gloss finish for quality prints comparable to UV varnish
- Excellent rub and slip resistance
- Non-yellowing
- Application on wet on wet and also wet on dry
- Solid content @ 48%
- Initial viscosity by CnP : 7000-20000 cps
- Density: approx 1.090 g/ml @25 °C
- Colour: Off-white creamy paste

FEATURES AND BENEFITS

- Appropriate rheology and tack for application via offset printing ink train rollers
- Excellent gloss and clarity
- Good leveling & wetting
- Fast drying
- Save cost of having extra coating units

INSTRUCTIONS FOR USE

SHEETFED APPLICATION : The varnish dries by combination of penetration and evaporation. Optimum drying conditions are created with use of hot air knives and IR lamps. The additional use of a cold air knife after IR lamp will keep stack temperature below the preferred maximum temperature of 28-32°C

The minimum amount of spray powder is recommended. The use of coated spray powder is especially necessary on work to be varnished on both sides of the sheet.

The ink duct varnish can be applied by using a rough grained aluminium plate. Spot application can be made by either stripping the blanket or by using a photo-polymer relief plate. It is important that the blanket is stripped 0.3-0.5mm inside the sheet size. This will ensure clean running and avoid any build up of the varnish on the impression cylinder.

Pressure settings between the plate/blanket and blanket/impression should be kept to a minimum. On start-up, apply a high film weight to ensure clean running. This may then be reduced as required.



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During a press stop, the plate and the blanket have to be cleaned immediately with water.

Prior to start-up of the press, the rollers should be cleaned thoroughly to remove all the previously printed ink residues. After that, clean the rollers to ensure a clean start-up.

Plates (plain), blankets and rollers can be cleaned with water

HEATSET WEB APPLICATION : The varnish should be applied by dry offset on the last unit of the press. The blanket should be stripped 0.3-0.5mm within the web width to ensure clean running and avoid any coating build up.

On start-up, a high film weight of varnish should be applied to ensure clean running. This may then be reduced as required. During a press stop, roller should be cleaned to ensure a clean start up.

TRANSPORT & STORAGE

Store at room temperature with container tightly closed when not in use in a cool, ventilated area. Protect from direct sunlight and keep away from heat sources. For details about health and safety, please consult the MSDS.



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