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Kromakote Flexfleet is a super flexible, protective clearcoat specially formulated for use on digitally printed materials used for a variety of transit applications ranging from self adhesive fleet graphics to soft sided truck tarpaulins. The unique non-yellowing urethane polymers renders a coating that is extremely durable and resistant to most industrial cleaners used in the cleaning of commercial fleet vehicles, road salts and other contaminants. Kromakote Flexfleet also exhibits good water repellence and anti-dirt pick properties. The addition of UVA absorbers and light stabilisers ensures that the coated prints will be protected from harsh UV radiation.

Typical Applications

- Self adhesive fleet graphics
- Soft sided truck tarpaulins
- Inflatables and bouncy castles.
- PVC banners
- Back and frontlit signage



Performance Properties

- Excellent water and moisture resistance
- Good chemical resistance to most industrial cleaners
- Excellent mar and scratch resistance after full cure
- Superior conformity properties (+200% elongation)
- Blocking temperature 145°C, cold stable until -20° C
- Plasticiser blocking features
- Non -yellowing formulation
- Good adhesion to Solvent, Eco solvent, UV and Latex inks.
- High gloss and matt

Typical Data:

Basic/Appearance: Aqueous polyurethane-dispersion
 Colour: Milky white
 Crosslinker: Flexfleet-618 (10%)
 Pot life: Around. 4 h
 Wet film: 70-90µ depending on application
 Dry film: 20-40µ depending on application
 Spreading rate: 13-15 sqm per litre
 Solubility: Miscible with deionised water
 Solids content: 34-36%



Instructions for Use

- Stir thoroughly before using.
- The cross linking process is reached by the adding of the cross-linking agent.
- Weigh lacquer and cross linker at the recommended ratio.
- Use a mechanical stirring unit in order to adding up the hardener.
- Use propeller mixer with 500 to 2.000 turns per minute,
- Stirring only by hand is unsuitable to create a homogenous mixture.
- Stir constantly while adding cross linker slowly.
- Stir carefully for at least 5 min at moderate speed in order to avoid air intake.
- After stirring do not touch the mixture for 15 min.
- After totally dispersed both components and achieved a homogenous lacquer apply a suitable filter (50µ)
- Processing time at room temperature for min. 4 hours (but shorter at higher temperatures).
- The processing time of the lacquer depends very strongly on the environment temperature.
- It should be kept between 18°C and 30°C.
- The relative humidity should not exceed 60%.
- Surfaces to be varnished must be dirt and oil free and must be prepared correspondingly.
- The application equipment (coater, mayer bar are to be cleaned immediately after use with water in order to avoid dried coating
- Areas of dried varnishes can be cleaned with isopropyl alcohol (IPA).
- Dried varnishes can be removed with suitable solvent remover.

Our recommendation: for cleaning is 914 Special Thinner.

After around 1 week the crosslinking process is finished and the surface has reached its optimum chemical resistance and physical properties

Drying Properties

Flexfleet 3000 **can** be applied with an automatic liquid laminator. Please follow the coating manufacturers instructions. We must distinguish between drying process and cross linking process ("curing").The coating is dry and can be processed after 12-24 hours however the the cross linking process is completed after about 7 days .At this point the coated prints have reached the optimum chemical resistance and physical properties.

The using of the tarpaulin,bouncy castle etc by the customer is possible after the further processing,but one should not undertake strong stress (brush cleaning, strong folding etc.) before the end of one week.

Storage

Protect against cold.The product without the addition of cross linker may be stored at least 6 months if kept in tightly closed containers and at temperatures between 15° 25°C. Once mixed the pot life is only 4 hours



We strongly recommend a preliminary test of printing and curing on the substrates intended for use, in order to ascertain the exact procedure, the working times and the obtained affect.

Only the correct use of the product will allow satisfactory results. For this reason, Ochre is not responsible for the improper use of the product, either by the substrate applied to or application. Make certain that the product is right for the desired use and works according to the instructions given in our technical data sheets.

Because of the big variation in ink and substrate combination we highly recommend that adhesions tests are performed prior to production runs.

If in doubt of the appropriate application methods or use, please contact Ochre at info@ochreuk.com or call +44 0 1752829083

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