

Ultrafleet 4300

1 Component Liquid Laminate

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Kromakote UltraFleet 4300 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 combination of non-yellowing urethane and acrylic 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 Ultrafleet 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

- Good water and moisture resistance
- Good chemical resistance to most industrial cleaners
- Excellent mar and scratch resistance after full cure
- Excellent Resistance to blocking
- Superior conformity properties (+200% elongation)
- Weldable (Hot air and RF)
- Non-yellowing formulation
- Good adhesion to Solvent, Eco solvent, and most latex inks.
- High gloss

Typical Data:

Basic: Aqueous acrylate-polyurethane dispersion

Colour: Slightly beige

Wet film: 70-80µ depending on application

Dry film: 20-30µ depending on application

Spreading rate: 15-20 sqm per litre

Solids content: 36-40%

ph-Value: 7,0-8,0

Viscosity at 20°C (4 mm Din flow cup): 15-25 sec. Gloss

VOC approx. 6%



Instructions for Use

Kromakote Ultrafleet comes pre-mixed for use in automated flood coaters. Depending on the application method used, dilution may be required. This product may be sprayed, applied using a high density foam roller or pad applicator or applied through an automated coater such as the AFC series from Drytac, Seal or Marabu.

This coating is supplied in a ready to use condition but should be mixed well prior to use each time. Optimal temperature for this coating is (18-30°C). At lower temperatures the coating will have heavier viscosity and will not flow properly. Allow to warm to room temperature before use. This is particularly important during winter months and cold climates.

For manual application:

Use undiluted for best results. We recommend the use of high density foam rollers, resistant woven rollers or pad applicators for the best the best results.

Surface to be coated must be free of impurities. Do not walk on print prior to application!!

1. It is very important to let your print dry for a minimum of 12 hours
2. Stir thoroughly Do not shake. Let coating settle for about 15 min allowing bubbles to dissipate.
3. Roll on the liquid laminate with a generous saturation to ensure good flood coating of the surface.
4. Gently roll in a back and forth motion starting at one corner and rolling to the opposite corner. Use minimum roller pressure to prevent air bubbles.
5. For use in HVLP Sprayers:
 2. Adjust to proper viscosity and filter prior to adding to tank You can dilute with water by maximum of 5%
 3. Pressure 3-4 bars
 4. Nozzle 1.2-1.6mm
 5. Be sure to wear protective eye wear and and a mask.



Technical Information

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Drying Properties

When applying by hand Ultrafleet will be touch dry in approximately 30-45 minutes depending on the thickness of the applied coating and the ambient temperature conditions. It is not recommended that prints be rolled up until air dried for at least 12 hours.

Kromakote Ultrafleet is self crosslinking. 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 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 a strong stress (brush cleaning, strong folding etc.) before the end of at least 7 days.

Storage

Protect against cold. The product may be stored at least 6 months if kept in tightly closed containers and at temperatures between 15°- 25°C.



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 1752934393



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