

Kromakote Sign&Banner 1000E is a high performance, water-based, coating system formulated for ultra-violet protection, moisture, abrasion and chemical resistance. It is used to enhance and protect ink jet printed graphics against degradation by ultra-violet light, wind, rain and other abrasive elements. Kromakote Sign&Banner 1000E is a low VOC, NMP free waterborne topcoat formulated to meet present and future governmental regulations.

Typical Applications

- Self adhesive fleet graphics.
- PVC banners
- Back and frontlit signage



Performance Properties

- Good water and moisture resistance
- Excellent mar and scratch resistance after full cure
- Excellent Resistance to blocking
- Weldable (Hot air and RF)
- Non -yellowing formulation
- Adhesion to Solvent, Eco Solvent and some UV and latex ink
- High gloss and matt

Typical Data:

Basic: Aqueous acrylate-polyurethane dispersion NMP Free

Colour: Slightly beige

Wet film: 50-70µ depending on application

Dry film: 15-21µ depending on application

Spreading rate: 15-20 sqm per litre depending on application

Solids content: 31%

ph-Value: 8.2 - 8.5

Viscosity: 21 - 25 seconds with a

Zahn EZ #2

VOC 347 g/L

Instructions for Use

Kromakote Signkote 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 our Aquarius coaters, 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 (18-25°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 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.

For use in HVLP Sprayers: Adjust to proper viscosity and filter prior to adding to tank. You can dilute with water by maximum of 5%. Start out with a pressure of 50 psi and adjust fan so an even mist is produced that is heavy enough to stick to the print, but not run. Practice using broad sweeping (horizontal) strokes, overlapping slightly. Be sure to wear protective eye wear and a mask.

Drying Properties

When applying by hand, Sign&Banner 1000E 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.

We must distinguish between the 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 PVC Banners 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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