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KEEPOX TECHNICAL DATA SHEET

- General:** These are a range of two-pack epoxy inks possessing excellent adhesion and chemical resistance. They set to a hard but flexible heat resistant film with a high gloss finish. They can be air dried or stoved.
- Uses:** Treated polyethylene and polypropylene, polyester, ceramics, melamine, fibreglass metals, glass and phenolic.
- Thinning:** KEEPOX inks can be thinned approximately 20% with Universal Mild Thinner LT20, or Universal Mild Retarder, LT21.
- Mixing:** KEEPOX inks are supplied in two parts which should be mixed thoroughly in the following instructions ratios: 3 parts ink, 1 part catalyst (KE1O2). This mixture gives a pot life of ± 3 hours depending on weather conditions. Thus only the correct amount of ink should be mixed for this period. Also inks should be washed from the screen immediately after printing as the inks dry to a solvent resistant finish.
- Mesh:** Preferably synthetic, either polyester or nylon.
- Stencils:** All types of photo stencils and hand cut stencils are suitable except solvent adhering grades.
- Squeegees:** White rubber or polyurethane.
- Coverage:** $\pm 30 - 40\text{m}^2$ per kilogram when thinned 20%.
- Air Drying:** Touch dry within 2 hours at room temperature. Maximum chemical resistance and hardness is not achieved until 7 days after printing.
- Stoving:** The curing of prints is greatly accelerated by heat. Typical stoving schedules are as follows:
- | <u>Temperature</u> | <u>Touch Dry</u> | <u>Cured</u> |
|--------------------|------------------|--------------|
| 80°C | 5-7 min | 30 min |
| 120°C | 2-5 min | 10 min |
| 150°C | 1-2 min | 7 min |
- Screen wash:** Universal screen wash UT50
- Colour Range:** The full range as per colour chart is available. In addition matchings of 1X1 kg and over are available but please state mesh and substrate when ordering.

Technical Service: Our technical staff will be pleased to advise on any aspect of printing where doubts may arise.

Note The information given herein is based on our general experience, and where applicable on the results of tests on samples of typical manufacture. However because of the many factors outside our knowledge and beyond our control which can affect the use of our products, we cannot accept liability for any damage, loss or injury resulting from reliance upon such information.