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## MULTIPLAST TECHNICAL DATA SHEET

- General:** MULTIPLAST is a multipurpose gloss screen ink formulated for printing on high speed machines as well as semi-automatics and hand benches.
- Uses:** MULTIPLAST has excellent adhesion on a wide variety of substrates such as corona discharge treated Corriboard (Correx), Acrylics (Perspex), PPH, ABS, Styrene, Polycarbonates (Lexan), coated metals, self-adhesive vinyl, coated masonite as well as paper and board. However it is advisable to pre-test all materials prior to a production run. MULTIPLAST inks can easily be washed off substrates without leaving ghost images by using mild solvents such as alcohols. This facilitates the recovery and re-use of most of the materials mentioned above.
- Thinning:** MULTIPLAST should be thinned 20 - 40% with MT20 Standard Thinner or MT21 Retarder. Where the recovery of the substrate is essential or where the material is sensitive to strong solvents (e.g. Styrene, Lexan, ABS) LT20 Thinner or LT21 Retarder should be used; On the other hand difficult materials such as vinyl, polyesters and certain acrylics may require stronger solvents such as GT25 Extra Strong Thinner or GT26 Extra Strong Retarder.
- Mesh:** All types are suitable.
- Stencils:** All types of photo stencils and hand cut stencils are suitable except solvent adhering grades. Direct emulsions such as HYDRASOL UV (HEM UV) or HYDRASOL FU (HEM FU).
- Squeegees:** White Rubber or polyurethane. Black rubber should be avoided as it may bleed with light colours.
- Coverage:** 40 - 60 m<sup>2</sup> through 120T mesh when thinned 25%.
- Drying:** MULTIPLAST will rack dry in 10 - 20 minutes depending on ambient temperatures and ventilation. Drying times can be considerably reduced using a multistage jet air drier. Although extra time should be allowed for overlapped colours prints can be stacked from the drier without any danger of blocking even on double sided work.
- Screen wash:** Universal Screen wash UT50.
- Colour Range:** The full colour range as per Colour Chart is available. All MULTIPLAST colours are intermixable to give any required shade and colour matches are available to the customers' pattern. Please state mesh and substrate when ordering. Lightfastness is excellent; all colours are to a minimum of 6 on the Blue Wool Scale in full shade.

**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.