

Textile Screen Inks

Vynotex FB

High gloss ink for wide range of PVC Football panels

Features

- Solvent based
- Two-Pack system
- Excellent Gloss
- Excellent adhesion
- Excellent flexibility and free from cracks when folded
- Good screen stability and Self Solvency
- Suitable for Machine & Manual Printing
- Excellent resistance to friction dry and wet with water
- Seritone colours to produce Pantone shades

Substrate

Football panel substrates Polyvinyl chloride-PVC of various types including laminated and Foam .PVC.

Note: Clean the substrates with IPA or any suitable solvent to remove dirt / grease before printing and Test inks adhesion on substrate before bulk production run.

**TEST INKS ON SUBSTRATES
BEFORE PRODUCTION RUN**

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Thinning:

Maximum of 15% by weight of ink used. Various options for thinning (or reducing) are available. Please refer to section on Solvents.'

Catalyst Mixing:

Vynotex FB inks are supplied in two parts (ink and catalyst). Use of Catalyst is must to get good adhesion and solvent resistance properties. Before printing, estimate the amount of ink required for a 4-6 hrs work and thoroughly mix the ink and catalyst together in the following ratio:
Vynotex FB Inks: 10 parts by weight

Note: Catalysed ink left over at the end of the printing run should be discarded.

Mesh

Print Vynotex FB inks through 90/cm to 120/cm, monofilament polyester fabric, depending on the application.
Thinner- SS557 / SS561: 1.0-1.5 part by weight
Nylobag catalyst – NB386: 1.0 part by weight

Stencils

Stencils can best be prepared with Sericol's stencil making products
Xtend Prep 101 for abrasion of screen
Xtend Prep 102 for degreasing of screen
Emulsions: Dirasol 132 single pack or Dirasol 915two-pack.

Drying

Air dry: up to 30 minutes . Do not stack prints immediately. Allow sufficient time for through cure. Over printing next colour should have minimum 30 minutes gap from the previous colour printing.
Convection Oven, infra-red or heated wicket conveyor dryer: 80 OC for 2-3. Prints must be cooled to ambient temperature and allowed sufficient time before stacking.
Note: Test adhesion and flexibility after minimum 24 hrs of printing. Longer the period of curing better the adhesion and flexibility.

Coverage

Vynotex FB inks should give coverage of 35-40sq.m./ kg, when printed through a 90/cm

Wash Up

Wash up screens with SS639 Universal Screen Wash. This will ensure long life of stencils made with Dirasol emulsions.

Pre-Production Test

End user must determine suitability of this product for the intended use prior to production. Always test for adhesion and other properties before each production run because there can often be significant differences between substrates of PVC from different manufacturers and even between different batches.

Adhesion and resistance properties

Vynotex FB inks possess excellent adhesion over a wide range of PVC substrates. However, some substrates due to plasticizer migration, low surface tension of the substrate or some coloured / metallic coated substrates have difficulty in adhesion and other resistance properties. Hence precaution needed to clean the substrates with suitable solvent and also study the optimum level of NB386 catalyst required to get the desired results.

Wash Fastness

Uncatalysed inks have excellent wash fastness to I.S.O. Test No.1 (40 deg.C) and the United Kingdom Laundering Consultative Council Recommendation Nos.5, 6 and 7 (40deg.C) Catalysed inks have excellent wash fastness to I.S.O. Tests Nos. 3 (60deg.C) and 4 (95deg.C) as well as the United Kingdom Laundering Consultative Council Recommendation Nos.2 and 3 (60deg.C) and 1 (95deg.C). The fastness properties will vary depending on the fabric and whether catalysed or uncatalysed ink is used.

Storage

- Keep inks in a cool place, away from direct sunlight.
- Keep lids tightly closed when not in use
- Any unused ink should not be returned to the can, must be stored separately
- Shelf life is two years from the date of manufacturing
- Stir well before every use.

Applications

The Vynotex FB inks are intended for screen printing of PVC football panels of various types.

Colour Range

The Vynotex FB is available in 13 Lead Free colours that are suitable for intermixing to produce clean shades. This system also contains extender base and Lead based Vermilion.

Standard and Seritone colours:

FB- 001 Black
FB-030 Tinting White
FB-021 White
FB- 064 Seritone Yellow G/S
FB- 066 Seritone Yellow R/S
FB-114 Seritone Orange
FB-121 Vermilion
FB-127 Deep Violet
FB-164 Seritone Red B/S
FB-165 Seritone Magenta
FB-191 Seritone Red Y/S
FB-230 Seritone Blue
FB-325 Seritone Green
FB-236 Reflex Blue
FB-383 Extender Base
NB- 386 Catalyst (Part 2)

Colour Matches

A wide range of colour matches in Vynotex FB ink system is possible to be developed on request.

Solvents

SS-557 Reducer (Thinner)
SS-561 Fast Reducer
SS-558 Slow Reducer
SS-639 Universal Screen Wash

The slow reducer will increase the drying time of print, whilst the reducer will not change the normal drying time of print.

Safety and Handling

Vynotex FB ink system :

is formulated to be free from any (toxic) carcinogenic, mutagenic or reprotoxic chemicals.

is formulated free from lead and other heavy metals and are tested to comply as per EN71-3:1988 Toy Safety Standard.

Should be stored away from heat.

NB-386 Catalyst

Contains isocyanite and should not be used by persons suffering from bronchitis or asthmatic problems.

Comprehensive information on the safety and handling of Vynotexl FB inks and solvents

is given in the Material Safety Data Sheet, which is available on request.

Environmental Information

Vynotex FB ink system does not contain ozone-depleting chemicals as described in the Montreal Convention.

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The information and recommendations contained in this Product Information sheet, as well as technical advice otherwise given by representatives of our Company, whether verbally or in writing, are based on present knowledge and believed to be accurate. However, no guarantee regarding their accuracy is given as we cannot cover or anticipate every possible application of our products and because manufacturing methods, printing stocks and other materials vary. For the same reason our products are sold without warranty and on condition that users shall make their own tests to satisfy themselves that they will meet fully their particular requirements. Our policy of continuous product improvement might make some of the information contained in this Product Information sheet out of date and users are requested to ensure that they follow current recommendations

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