

Long Term

Decals

Vehicle Graphics

(Buried/unburied)

Inks

SUPER DECAL SD

Screen Inks for Long-Term

'Buried' & 'Unburied' Decals

Features

- Solvent Based
- High Gloss Finish
- PU / TSA Lacquer Compatible Ink System
- Long-Term Outdoor Durability
- Excellent Screen Stability & Self Solvency
- Suitable for Machine & Manual Printing
- Good Flexibility
- Good Stretchability
- Excellent Resistance to a Range of Solvents
- Seritone Colours & Process Colours
- Unlimited Colour Matching Capability
- Range of Metallics

Substrate

Self Adhesive Vinyl

TEST INKS ON SUBSTRATES
BEFORE PRODUCTION RUN

SERICOL
More than ink...Solutions.

FUJIFILM

Thinning

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

Mesh

Print the Super Decal SD inks & metallics through 62/cm to 90/cm, monofilament polyester fabric, depending on the application.

For SD-025 Ground Coat White: 77/cm to 90/cm mesh.

For SD-425 Overprint Clear: 77/cm to 90/cm mesh.

For fine details printing, use amber or yellow coloured fabric

Stencils

Stencils can be best prepared with Sericol's stencil making products:

1. Xtend Prep 101 for abrasion and preparation of mesh
2. Xtend Prep 102 for degreasing of screen

Emulsions: Dirasol 132 (single pack) or Dirasol 915 (two pack).

Drying

Air Dry: up to 20 minutes. Do not stack prints immediately. Allow sufficient time for through cure.

Jet Dry: 60 degree centigrade, for up to 4 minutes.

Prints must be cooled to ambient temperature before stacking.

Coverage

Super Decal SD inks should give a coverage of 60 to 70 sq.m./kg when printed through a 90/cm mesh.

Metallics & SD-425 should give a coverage of 40 to 45 sq.m./kg when printed through a 77/cm mesh.

Wash Up

Wash up screens with SS-639 Universal Screen Wash. This will ensure long life of stencils made with Dirasol emulsions.

Outdoor Use

Super Decal SD Ink System has been successfully tested for weathering in a QUV Weatherometer, as per ASTM G53 test specification, using UVA-340 lamps. The inks have withstood more than 1000 hours without appreciable colour change or deterioration evident.

Important: Super Decal SD inks and metallics must always be overprinted with SD-425 overprint clear for both 'buried' and 'unburied' applications. The same is applicable for conducting any tests on the prints.

Accelerated weathering tests cannot be precisely related to outdoor performance. The Super Decal SD ink system for both 'buried' & 'unburied' applications is expected to have an outdoor exposure durability of five years.

Pre-Production Test

End-user must determine suitability of this product for the intended use prior to production.

Always test for adhesion, lacquer (PU/TSA) compatibility, weathering, inter-coat adhesion and other relevant properties before each production run.

Storage

Keep inks in a cool place, away from direct sunlight.

Keep the ink can tightly closed when not in use; left over inks should not be returned to the ink can.

Shelf life is two to three years from the date of manufacture.

Stir well before use.

Applications

Super Decal SD inks are used for long-term decal applications - both 'buried' & 'unburied', e.g., in vehicle striping, dome label.

Product Resistance

Super Decal SD inks & metallics, overprinted with SD-425 overprint clear medium, have excellent resistance to a wide range of solvents including xylene, petrol and alcohol.

Colour Range

The Super Decal SD Ink System is lead free and silicon free. The system includes Seritone Matching System colours, trichromatic (process) colours, a metallic medium and a Two pack overprint clear.

Seritone & Line Colours

SD-001	Super Decal SD Black
SD-025	Super Decal SD Ground Coat White
SD-064	Super Decal SD Seritone Yellow GS
SD-066	Super Decal SD Seritone Yellow RS
SD-114	Super Decal SD Seritone Orange
SD-127	Super Decal SD Seritone Violet
SD-164	Super Decal SD Seritone Red BS
SD-165	Super Decal SD Seritone Magenta
SD-191	Super Decal SD Seritone Red YS
SD-230	Super Decal SD Seritone Blue
SD-325	Super Decal SD Seritone Green
SD-382	Super Decal SD Metallic Medium
SD-383	Super Decal SD Extender Base
SD-425	Super Decal SD Overprint Clear
SD-386	Super Decal Hardener for SD 425
SD-426	Thinner for SD-425

Trichromatic Colours

SD-004	Super Decal SD Trichromatic Black
SD-052	Super Decal SD Trichromatic Yellow
SD-135	Super Decal SD Trichromatic Magenta
SD-215	Super Decal SD Trichromatic Cyan

Super Decal SF Satin Finish Seritone & Line Colours

SF-001	Super Decal SF Satin Black
SF-127	Super Decal SF Satin Violet
SF-165	Super Decal SF Satin Magenta
SF-230	Super Decal SF Satin Blue
SF-325	Super Decal SF Satin Green
SF-802	Super Decal SF Satin Orange
SF-821	Super Decal SF Satin Red (Y/S)
SF-841	Super Decal SF Satin Yellow (G/S)
SF-843	Super Decal SF Satin Yellow (R/S)
SF-864	Super Decal SF Satin Red (B/S)
SF-382	Super Decal SF Metallic Medium

Two Pack, Solvent-based PU Overcoat SD-425 Clear

Mix SD Overcoat in the following way

1. SD-425 100 Phr
2. SD-386 (Catalyst) 10 Phr
3. SD-426 (Thinner) 10 Phr

Mix the above ingredient well, wait for 5-10 minutes, and then apply the overcoat.

Mesh: 77T

Drying: IR dry for 5 minutes@60°C,

Bake it for 80°C for 1 hr

Squeeze: Medium

Substrate:PVC

Pot Life: Max. 6Hrs from mixing

Result: Cross Hatch Tape test will be done after 72 Hrs of Baking.

Note: Do not put the remaining material left on screen in the SD-425 overcoat Tin.

Keep remaining material separately in other Can

UV EL Overprint Varnish UD 433

Mesh: 150T to 180T

Curing: 300 watts/15 meters

For more information on UD 433 please check the technical literature of UD 433

Colour Matches

The colour matches can be supplied against specimen prints and / or wet inks.

Metallic

A wide range of metallics can be developed on request.

Solvents

SS-557	Reducer
SS-558	Slow Reducer (Retarder)
SS-639	Universal Screen Wash
SD-426	Thinner for SD-425

The slow reducer will increase the drying time, whilst fast reducer will decrease the drying time of print.

Co-Use with Other Sericol Inks

Super Decal SD Ink System must not be intermixed, overprinted or under-printed with any other Sericol Ink System. Super Decal SD inks are free of silicon. Hence all precautions must be taken to avoid silicon contamination during printing

Safety and handling

Super Decal SD Ink System is formulated free from lead and any toxic (carcinogenic), mutagenic or reprotoxic chemicals.

Comprehensive information on the safety and handling of Super Decal inks and solvents is given in the Material Safety Data Sheet, which is available on request.

Environmental Information

Super Decal Ink System does not contain ozone - depleting chemicals as described in the Montreal Convention.

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 our 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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