

Ink

Solvent Base

LAX Series

FIELD OF APPLICATION

Substrates

The screen printing ink LAX is excellently suited to print onto
Latex (Natural Rubber)
V-Belts
Basket Ball
Balloons

Field of Use

LAX series is designed to print on Latex products, Balloons and making Heat Transfers for V-Belts & Basket Ball, The ink is used as 1 component ink.

CHARACTERISTICS

This glossy, smooth, physically drying screen printing ink exhibits good mechanical & chemical resistance as well as good flexibility and adhesion. Excellent print ability and stable in color matching.

HOW TO USE

Dilute the ink with 10%-20% TP-65 (slow dry thinner) or TP-69 (medium dry thinner). Use TP-67 to make the drying slower .

When inflated Latex is printed post Hot air is important to be given before deflate the Latex product eg. balloons. The ink can be used as 1 or 2 component ink. This special ink has compared to other 2 component inks, a very good adhesion to the substrate and is highly qualified for Latex material. LAX is designed to dry slowly in order to avoid clogging.

For overprinting, the next color is printed only after tack free..

Mesh Recommended- 40T-120T

Tack Free Time	5-10 minutes	Natural Cure
Hard Drying Time	6-8 hours	Natural Cure

If several layers are printed longer drying time is recommended

CLEANER

Use TP-65 for cleaning the screen /washing up.

RANGE OF COLORS

Basic Colors

100 Transparent
105 H.D. White
201 Deep Yellow
203 Original Yellow
206 lemon yellow
300 Rose Red
3020 Dark Red
3038 Light Resistant Magenta
304 Bronze Red
305 Orange
401 Violet
403 Original Blue
404 Ultra Marine
408 Emerald Blue
501 Black
601 Green
701 Brown

Fluorescent Colors

131 Fluorescent Yellow
133 Fluorescent Red
134 Fluorescent Orange

140 Fluorescent Green
148 Fluorescent Blue
141 Fluorescent Violet

Metallic Colors

801 Silver
901 Pale Gold
902 Rich Gold

ADDITIVES

Thinner:

Before production, the viscosity of the screen printing has to be adjusted by the addition of thinner.

Thinner, very fast (addition 15%-25%)
TP-61

Thinner, standard (addition 15%-25%)
TP-65

Retarder:

Thinner, slow(addition 15%-20%)
TP-67

Retarder TP-67 can be used along with TP-65 or TP-61 to meet the printing requirement.

Hardener

Prior to printing hardener must be added in correct quantity and always by weight and mixture must be stirred thoroughly.

Hardeners are sensitive to humidity and always to be stored in a sealed container. Hardener 9004 is the standard hardener.

The two different ratios are

- 1) 5% Hardener 9004 20 parts by weight of ink + 1 part by weight of hardener
- 2) 10% Hardener 9004 10 parts by weight of ink + 1 part by weight of hardener

The second variation must be applied if high rub resistance is required.

Custom Colors

Pantone/RAL colors are custom made colors and can be developed as per request.

TYPE OF PACKING

1-kg Can

SHELF LIFE

Shelf life depends on the reactivity of the ink while adding hardener as well as storage conditions (temperature).

Far away from Sunlight and Strong Acid.

The shelf life for an unopened ink container if stored in a dark room at a temperature of 15°-25° C is

- 1) 2 years for the basic colors
- 2) 1 year for Metallics and fluorescent colors.

Under different conditions, particularly higher storage temperatures, the shelf life is reduced. In such case, the warranty given by Spinks expires.

PRECAUTION

- 1) Ink is glossy. Matt ink can be developed on request.
- 2) Hardener 9004 is the standard hardener. At room temperature 20°-25°C a pot life is 4-5 hours.
- 3) If temperature is higher shelf life of the ink will reduce.
- 4) When inflated Latex is printed post Hot air is important to be given (Hot air below 60 C is advisable) before deflating the Latex product.
- 5) Please refer MSDS before use.

Technical Data Sheet

Screen Printing inks

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- 6) Be sure to do trials before commercial run to confirm that the product fits the purpose
- 7) Additional technical information may be obtained from our Technical Department.
- 8) All characteristics described in this Technical Data Sheet refer exclusively to the standard products listed under range, provided that they are processed in accordance with the intended use and only when used with the recommended additives. The selection and testing of the ink for specific applications is exclusively your responsibility. Should, however, any liability claims arise, they shall be limited to the value of the goods delivered by us and utilized by you with respect to any and all damages not caused intentionally or by gross negligence.

Physical Properties						
Items	Adhesion	Rub Resistance	Scratch Resistance	Anti-attrition	Anti Broken	Anti Broken
Performance	Excellent	Grade 4-5	Grade 4-5	Grade 4-5	Grade 4-5	Grade 4-5

Technical Parameter							
Items	Appearance	Chroma	Thinness	Viscosity	Glossiness	Flowability	Resin
Performance	Refer to colour sample	8%-15%	Less than 5 microns	200-280P	70-75	15-20mm/s	>45%