

**budin**GROUP  
printing inks & masterbatches

# PRINTING INKS CATALOG

**BUDIN AKARCA**



ISO 9001  
ISO 14001  
OHSAS 18001  
BUREAU VERITAS  
Certification



## Flexo Printing Inks

Series	Printing Material	Overprint	Reverse Printing	Lamination	Deep Freeze	Shrink
FSP-00000	Polyethylene LDPE-HDPE, Polypropylene Bag, Coex Film, BOPP, OPP, Pearalized OPP Film (min. 38 dyn / cm); Aluminum Foil, Metallized OPP (With Primer); Paper and Cardboard.	✓				
FSP-6-00000	Polyethylene LDPE-HDPE, Coex Film, BOPP, OPP, Pearalized OPP Film (min. 38 dyn / cm); Aluminum Foil, Metallized OPP (With Primer); Paper.	✓			✓	
FSP-8-00000	PET, PA Film (min. 46 – 52 dyn/cm).	✓				
FSPSH-00000	Polyethylene LDPE-HDPE, Shrink Film (min. 38 dyn/cm).	✓	✓			✓
PB-0000	Polyethylene LDPE-HDPE, Polypropylene Bag, Coex Film, BOPP, OPP, Pearalized OPP Film (min. 38 dyn / cm); Aluminum Foil, Metallized OPP (with Primer), Paper and Cardboard.	✓				
FRP-00000	Polyethylene LDPE-HDPE, Polypropylene Bag, BOPP, OPP, Pearalized OPP Film (min. 38 dyn / cm); Aluminum Foil, Metallized OPP (with Primer), Paper and Cardboard.		✓	✓		
FRP-8-00000	PET, PA Film (min. 46 – 52 dyn/cm).		✓	✓		
FRPUN-00000	Polyethylene LDPE-HDPE, BOPP, OPP, Pearalized OPP Film (min. 38 dyn / cm); PET, PA Film (min.46 - 52 dyn / cm).		✓	✓		

### FSP-00000

**FSP-00000** series inks can be applied to a variety of printing materials and are formulated for flexo overprinting. It has scratch and friction resistance.

Its heat resistance is 130-140 °C.

Depending on the color intensity, the products can be printed with 80 to 400 tram / cm<sup>2</sup> anilox. The codes vary within the series according to the color intensity and drying speed.

**FSP-00000-Ç** special series inks are designed for polyethylene and polypropylene sacks

## Flexo Printing Inks

### FSP-6-00000

**FSP-6-00000** inks with serial deep freeze resistance can be applied to various printing materials and are formulated for flexo overprinting.

It has the feature of freezing at  $-30^{\circ}\text{C}$  and storing at  $-18^{\circ}\text{C}$ .

It has scratch and friction resistance.

Its heat resistance is  $180-200^{\circ}\text{C}$ .

**FSPHD-6-00000** series inks are products with high color intensity and deep freeze resistance.

**FSP-40-60000** series inks are slow drying and deep freeze resistant products.

### FSP-8-00000

**FSP-8-00000** series inks can be applied to polyester and polyamide substrate and formulated for flexo overprinting.

It has scratch and friction resistance.

Its heat resistance is  $180-200^{\circ}\text{C}$ .

### FSPSH-00000

**FSPSH-00000** series inks can be applied to shrink film and formulated for flexo overprinting.

It has scratch and rubbing resistance and the inks are flexible.

Its heat resistance is  $130-140^{\circ}\text{C}$ .

### PB-0000

**PB-0000** series of polyamide based inks are formulated for flexo overprinting. Our PB-series inks with high friction resistance are preferred in polyethylene and polypropylene sack prints.

Its heat resistance is  $80^{\circ}\text{C}$ .

The codes vary within the series according to the color intensity.

## Flexo Printing Inks

### FRP-00000

**FRP-00000** series inks are formulated for flexo reverse printing and lamination applications. It can be used in lamination applications with solvent-free adhesives. It has no scratch and rubbing resistance. Heat resistance is 150-160 °C. The codes vary within the series according to the color intensity and drying speed.

### FRP-8-00000

**FRP-8-00000** series inks are formulated for flexo reverse printing and lamination applications that can be applied to polyester and polyamide substrate. It has no scratch and rubbing resistance. It can be used in lamination applications with solvent-free adhesives. Its heat resistance is 180-200 °C. **FRPHD-80000** series inks are our products with high color strength compared to the standard series.

### FRPUN-00000

**FRPUN-00000** series inks are formulated for flexo reverse printing and lamination applications, suitable for both polypropylene and polyester substrates. It has no scratch and rubbing resistance. It can be used in lamination applications with solvent-free adhesives. Its heat resistance is 180-200 °C.

## Rotogravure Printing Inks

Series	Printing Materials	Overprint	Reverse Printing	Lamination	Deep Freeze	Shrink
RSP-00000	Polyethylene LDPE-HDPE, BOPP, OPP, Pearalized OPP Film (min. 38 dyn / cm); Aluminum Foil, Metallized OPP (with Primer), Paper and Cardboard.	✓				
RSP-7-00000	PET, PA Film (min. 46 – 52 dyn/cm).	✓				
RRP-00000	Polyethylene LDPE-HDPE, BOPP, OPP, Pearalized OPP Film (min. 38 dyn / cm); Aluminum Foil, Metallized OPP (with Primer), Paper and Cardboard.		✓	✓		
RRP-7-00000	PET, PA Film (min. 46 – 52 dyn/cm).		✓	✓		
RSPV-00000	PVC Film (min. 38 dyn/cm).	✓	✓			

### RSP-00000

**RSP-00000** series inks can be applied to a variety of printing materials and are formulated for rotogravure overprinting.

It has scratch and friction resistance.

Heat resistance is 150-160 °C.

The codes vary within the series according to the color intensity and drying speed.

### RSP-7-00000

**RSP-7-00000** Our series inks can be applied on polyester and polyamide substrate and are formulated for rotogravure overprinting.

It has scratch and friction resistance.

Heat resistance is 180-200 °C.

**RSP-7-00000** special series inks are designed for pet twist film. Its heat resistance is 180-200 °C.

## Rotogravure Printing Inks

### RRP-00000

**RRP-00000** series inks are formulated for rotogravure reverse printing and lamination applications.

It has no scratch and rubbing resistance.

Heat resistance is 150-160 °C.

The codes vary within the series according to the color intensity and drying speed.

**RRP-00000 special series** inks are designed for tipping cigarette paper.

### RRP-7-00000

**RRP-7-00000** series inks are formulated for rotogravure reverse printing and lamination applications, which can be applied to polyester and polyamide substrate.

There is no scratch and friction resistance.

Its heat resistance is 180-200 °C.

### RSPV-00000

**RSPV-00000** series inks are formulated for rotogravure reverse and overprinting that can be applied to PVC substrate.

It has scratch and friction resistance.

Its heat resistance is 100 °C.

**RSPV-00000 special serie** inks are designed for PVC Shrink and PET Shrink film.

## Flexo and Rotogravure Lacquers

Series	Printing Materials	Features
LAK-1XXX (Top Print Glossy / Matt Lacquer)	Polyethylene LDPE-HDPE, Polypropylene Bag, Coex Film, BOPP, OPP, Pearalized OPP Film (min. 38 dyn / cm); Aluminum Foil, Metallized OPP (With Primer); PET, PA Film (min.46-52 dyn / cm), Paper and Cardboard.	<p><b>Top Printing Varnish:</b> The product is placed in the last chamber of the printing machine and the last layer is printed. We have overprint varnishes with different features.</p> <p><b>Top Printing Matt Lacquer:</b> The product is placed in the last chamber of the printing machine and the last layer is printed. It is designed to obtain a matte appearance on the printed surface for overprinting.</p>
LAK-1XXX (Overprint Release Lacquer)	Polyethylene LDPE-HDPE, Polypropylene Bag, Coex Film, BOPP, OPP, Pearalized OPP Film (min. 38 dyn / cm); Aluminum Foil, Metallized OPP (With Primer); PET, PA Film (min.46-52 dyn / cm), Paper and Cardboard.	<p><b>Overprinting Release Lacquer:</b> The product is placed in the last chamber of the printing machine and printed as the last layer. In cold glue applications, it is designed to prevent the ink on the wrapped coil from being torn off by the glue during opening. It also acts as a protector on the printed film. It does not spoil the adhesion of the glue.</p>
LAK-2XXX (Under Printing Lacquer)	Aluminum Foil, Metallized OPP, Metallized PET.	<p><b>Underpress Lacquer:</b> It provides adhesion of the ink printed on films that are difficult to adhere such as aluminum foil and metallized. Care should be taken that the film surface to be used in printing is not oily and oxidized.</p>
LAK-3XXX (Heat Sealable Lacquer)	Aluminum Foil - PVC & PS. Aluminum Foil - PP & PS	<p><b>Heat Sealable Lacquer:</b> The product is applied on aluminum foil. There are two types:</p> <ul style="list-style-type: none"> <li>-It provides thermal adhesion to PP and PS by being applied on aluminum foil.</li> <li>- By applying on aluminum foil, it provides thermal adhesion to hard PVC, PS.</li> </ul>
FSP-2K-XXXXX (Double Component Lacquer)	Polyethylene LDPE-HDPE, Polypropylene Bag, Coex Film, BOPP, OPP, Pearalized OPP Film (min. 38 dyn / cm); Aluminum Foil, Metallized OPP (With Primer); PET, PA Film (min.46-52 dyn / cm), Paper and Cardboard.	<p><b>Double Component Gloss / Matte Lacquer:</b> Our 2-Component lacquers consist of 2 different product groups, both alcohol-based and solvent-based.</p> <ul style="list-style-type: none"> <li>-Our solvent-based two component lacquers are only suitable for rotogravure printing type;</li> <li>Alcohol-based ones are suitable for both rotogravure and flexo type.</li> </ul> <p>It is designed to gain chemical and physical strength in top printing in both groups. It has high friction and scratch resistance. After printing, curing will be completed within 3-4 days. After curing, expected chemical and physical resistance will be provided.</p>
Flexo / Offset / LetterPress / Static Receptive UV Lacquers	Coated paper; PP Film (min.38dyn / cm).	<p><b>UV Lacquers:</b> Applied as a top coat. It has high slippery, gloss and blocking resistance. Various types are available for offset, letterpress and flexo printing applications. UV curing speed min. 50 m / min - max. It is 100-120 m / min (120-160 W / cm lamp power).</p>

## Auxiliary Materials

Series	Usage
Nitrocellulose Pastes	It is used in the preparation of nitrocellulose based flexo & rotogravure inks.
Slow Drying Nitrocellulose Pastes	It is used in the preparation of nitrocellulose based, high color strength and slow drying flexo and rotogravure inks.
Polyamide Pastes	It is used in the preparation of polyamide based flexo inks.
Adhesion Enhancer	It increases the adhesion and heat resistance of the ink in overprinting, reverse printing and lamination applications. It does not contain TAA (titanium acetylacetonate).
Foam Breaker	It prevents the formation of foam in the ink. It is applied by spraying into the ink that has a foam problem in the printing chamber. It is compatible with all our series inks.

## Overprinting Additives

### Overprinting Additive:

It increases the lubricity, scratch and friction resistance of the inks to be used in overprinting. It gives overprinting feature to lamination and reverse printing inks. In addition to friction and scratch resistance, we have overprinting additives used in different functionalities.

### Deep Freeze Additive:

It is a top printing additive used to increase deep freeze and friction resistance.

### Slip Additive:

It is an overprinting additive especially used to add slipperiness to the print. It increases the lubricity by decreasing the friction coefficient and improves the scratch and friction resistance.



## Auxiliary Materials

### Thinners

**Varnish:**

It provides preparation for printing by lightening the color without causing the strength of the inks to weaken.

**Retarder:**

It is used to balance the drying speed of inks in printing.

**Thinner:**

It is used to bring inks to printing viscosity.

**Accelerator:**

It is used to balance the drying speed of inks in printing.