

TECHNICAL DATA SHEET

1. DESCRIPTION

Euroflex EXT Is a solvent NC ink intended for surface printing of polyolefin corona treated films. The ink can be printed in flexo.

2. PRODUCT FEATURES

Euroflex EXT inks:

- Have good printability
- Are suitable only for surface prints
- Have good adhesion onto corona treated polyethylene films with minimum corona treatment (38 dynes/cm)
- Are designed to be printed on both sides of corona treated PE (tubes) with contact print / corona treated side of film in the rewinding . In this application it is mandatory to check the total solvent retention not up to 10 mgs/square meter
- Have good adhesion on OPP OT and coexOT OPP with minimum corona treatment (38 dynes/cm) after addition of 4-5% of adhesion promoter
- Prints realized with this series have a good heat resistance 160 °C without adhesion promoter on PE and 170-180°C on OPP with adhesion promoter
- Prints on PE have good adhesion on sealing area without adhesion promoter, for OPP it is mandatory to be added

3. APPLICATIONS

This ink series is a flexo multipurpose surface printing solution for its good adhesion on several substrates.

EUROFLEX EXT inks without adhesion promoter can be printed on acrylic lacquered OPP, Cellophane PT and NC lacquered, Alu foil NC lacquered.

The adding of 4-5% of adhesion promoter is needed for printing OPP and advisable to increase the general chemical resistances of prints and the heat resistance of prints on the sealing area as well.

4. SUBSTRATES

EUROFLEX EXT inks are suitable for the following substrates:

- Paper all kinds
- PE Corona treated
- OPP and Coex OPP corona treated with addition of adhesion promoter
- PP acrylic coated (preliminary test suggested)
- Alu foil NC lacquered
- Cellophane PT and NC lacquered

5. GENERAL HANDLING

5.1. Storage:

- EUROFLEX EXT inks are considered highly flammable. Suitable precautions should be observed to avoid ignition sources.
- Temperature of storage: from 5°C to 35°C
- Shelf life: 12 months under above conditions

5.2. Waste disposal

- Care should be exercised in the disposal of printing ink waste. This should be carried out in accordance with good industrial practice, observing all the appropriate regulations and guidelines.

For more specific handling advice refer to the Safety Data Sheet (SDS).

6. PRINTING CONDITIONS

6.1. Printing Viscosities

Inks must thoroughly be stirred and homogeneous before reducing with solvent.

The optimum printing viscosity depends on press and running conditions. Good results have been achieved with Euroflex EXT inks at the following viscosities:

- Flexo : 16-25 sec (Din cup N° 4)

6.2. Reducing Solvents

- Flexo (SOLID)

Normal : Ethyl,i-propyl/ alcohol, I Propyl, N Propyl, Ethyl/acetate, MIX up to 80:20

Slow : N-Propylalcohol , Methoxypropanol, Ethoxypropanol

- Flexo (Half-Tone):

Normal : Ethyl,n-propyl/ alcohol, I Propyl, N Propyl, Ethyl/acetate, MIX up to 80:20

Slow : Ethoxypropanol

6.3. Wash up solvents

Mixture Alcohols / Esters

6.4. Cylinders / Plates

Euroflex EXT inks are suitable for all types of anilox and different types of plates.

7. END-USE SAFETY

Acceptable technical performance of Euroflex EXT inks is dependent on:

- a) Control of film weight (inks and adhesives)
- b) Adequate drying on press (to ensure that the print is dry before conversion)
- c) Control of any migratable substances within the print, film or adhesives

Choice and control of film weight, drying, substrate and adhesives are printer technical requirements for which the Euroink Distribution technical team can provide assistance in the form of suggestions or direct support.

Food Packaging: It is the ultimate responsibility of the food packaging supply chain to ensure packaged food is safe. With regard to potential migration of substances in to food from the printed packaging, it is the responsibility of the converter and food packager to ensure that no such migration occurs beyond permitted regulatory levels.

To fulfil its responsibility within the supply chain Euroink Distribution will provide details to the customer of potential migratable components, where present in its inks, through the preparation and communication of a 'Statement of Composition'.

For the Euroflex EXT ink series:

- There are no intentionally added migratable components within the ink formulation
- Or, there are specific additives with potential to migrate within the ink formulation – details of these are available to customers through copies of Statement of Composition

8. DISCLAIMERS

The Euroflex EXT ink is not intended to direct food contact.

This list of applications, substrates and processes provided in this document is not exhaustive. Please contact your local Euroink Distribution representative for full technical evaluation of your application or process.

9. TECHNICAL ASSISTANCE / CONTACTS

For further information, please contact your local Euroink Distribution team.

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Our Products are intended for sale to professional users. The information herein is general information designed to assist customers in determining the suitability of our products for their applications. All recommendations are made without guarantee, since the application and conditions of use are beyond our control. We recommend that customers satisfy themselves that each product meets their requirements in all respects before commencing a print run. There is no implied warranty of merchantability or fitness for purpose of the product or products described herein. In no event shall Euroink Distribution be liable for damages of any nature arising out of the use or reliance upon this information. Modifications of the product for reasons of improvements might be made without further notice.

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