



UVDRY FLEXO RELEASE LACQUER (CATIONIC) (2-PACK)

L075

Description

This lacquer is Benzophenone, ITX and BDK free designed for use in novel and innovative label constructions to convert a substrate into a release paper.

This is the two-pack system to be blended as follows:

Uvdry Flexo Silicone Release Resin (cationic)	AD506 96.0%
Uvdry Cationic Initiator	AD232 04.0%

Key Features and Advantages

- Benzophenone, ITX and BDK free.
- Complies to the EuPIA Exclusion Policy.
- Typically used for piggy-back labels, peel back forms and leaflets and peel-off coupons.
- Suitable for use in conjunction with a wide range of adhesives, both permanent and non-permanent.
- Excellent clarity.
- Gloss finish.
- Low viscosity for application via a flexo unit.
- L075 offers good adhesion on a range of substrates.

Technical Specification

Viscosity	2200 – 320 cps at 25°C
Recommended Anilox Volume	8.0 – 10.0 cm ³ /m ²

Points to Note

Paragon do not recommend using L075 in conjunction with fanal pigment ink systems, colours to watch for are rhodamine, purple, violet, reflex blue and pink. Paragon does not recommend using water-based or solvent-based products in-conjunction with L075.

L075 is a cationic lacquer and as such the flexo unit should be very well cleaned and completely free of any potential contaminants before use. This is extremely important, as contamination of the lacquer will prevent it from curing properly. The two most common causes of contamination are residual amounts of UV lacquer or varnish left in the unit i.e. inadequate cleaning or cleaning solutions (wash-ups) used during wash-up not being dried off completely. Alcohol and/or amine containing wash-ups can cause contamination and should therefore be avoided. Paragon recommends a glycol ether based wash-up e.g. Immsol PM (ICI) or Dowanol PM (Dow Corning).

Care should be taken to ensure that the duct, rollers, tanks and pipes are cleaned thoroughly to prevent these types of contamination during printing. All equipment used for mixing must also be thoroughly cleaned and dried prior to use to prevent contamination during the mixing. If the AD506 and AD232 are supplied pre-weighed it will be sufficient to add the AD232 into the AD506 tub and thoroughly mix them together. Ensure that all the AD232 is added or the cure of the lacquer will be affected on press. If weighing the components out for different quantities, it is important that the container used is clean, dry and free of the potential contaminants indicated above.

Substrates

Suitable for paper, boards, synthetics and most label stocks.

NB. Due to the wide variety of synthetic substrates available we cannot provide guarantees for ink adhesion. We recommend the use of good quality top coated substrates. Non - top coated substrates can also be converted providing the material is corona treated or primed prior to printing.

It is recommended that adequate testing be carried out prior to production runs.

Overprinting

This product is not suited to direct overprinting using thermal transfer, hot foil or laser.

Other Information

This product has the potential for use on indirect food packaging, on the condition that Food Packaging Compliance (FPC) can be demonstrated.

Product must be mixed/stirred thoroughly to ensure consistency prior to printing, failure to do so may alter the performance or finish of the lacquer.

When printing on digitally printed labels we would recommend corona treatment of the Digital image prior to applying the lacquer for the best results. Thorough testing is recommended initially to ensure a satisfactory result is achieved.

Paragon strongly recommends that ageing tests be carried out when printing L075 for the first time. This is important, as it is necessary to monitor the release properties in order to ensure that a satisfactory result has been achieved and is consistent over time.

Although L075 can be used with a wide range of adhesives, it is essential that tests be conducted to ensure suitability.

Storage & Shelf Life

AD506 and AD232 when stored separately have a guaranteed shelf life of 12 months but storage conditions are imperative. The container should be closed immediately after use and stored in a dry area at 5-18°C away from direct sunlight. This guarantee only applies to sealed, unopened containers.

When AD506 and AD232 are mixed together, the resultant L075 has a guaranteed shelf life of 24 to 48 hours but storage conditions are imperative. The container should be closed immediately after use and stored in a dry area at 5-18°C away from direct sunlight. This guarantee only applies to sealed, unopened containers.

The information contained in this General Information sheet is based on the experience of Paragon Inks (Holdings) Limited and our internal laboratory test procedures. It is not to be interpreted as a warranty or guarantee in any form as conditions and variables beyond our control can affect the end result. We recommend press trials when using new substrates and other print related variables for suitability purposes. We reserve the right to alter any product data as a result of technical or manufacturing processes.

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