RLDS015/03
11/11/04

EL 100

UV CATIONIC RELEASE VARNISH

DESCRIPTION

EL100 is a low viscosity, high gloss release varnish designed for use in the production of peel and reseal type labels. It provides good release properties with most types of pressure sensitive adhesives. EL100 must be mixed with 3% of EL101 photoinitiator prior to use.

PROPERTIES

Excellent release properties
High gloss
Good chemical and product resistance
Low viscosity
Good adhesion
Not suitable for foil blocking/thermal transfer

APPLICATION

Mix well with 3% EL101 Photoinitiator prior to use
Film weight 1-3 g/cm3
Rollers EPDM
UV lamps minimum 80 w/cm

SUBSTRATES

Treated/primed polyethylene
Treated/primed polypropylene
Polyester
Polystyrene
Some Papers

Filmic substrates should be free from plasticisers or other chemicals that could migrate and affect adhesion properties of the release varnish. Papers should have good holdout properties and papers of an alkaline nature should be avoided, as this will impair the curing of the varnish.

GUIDELINES FOR USE

EL100 Should be mixed with 3% of EL101 photoinitiator before use. If stored in a cool dark place, in clean sealed containers, this mixture will be stable for up to 6 weeks.
Care should be taken to ensure that printing equipment is completely clean of any residue or potential contaminant. Contamination with moisture or alkaline compounds will hinder or poison the curing reaction. Contaminated material should be discarded. Exposure to strong acids, heat or sunlight will cause gellation of the product.
For best results an anilox roller system should be used which can give a coated film weight of 1-2 g/m^2. Performance of EL100 should be checked thoroughly when applying over printed material to ensure compatibility with inks/coatings used.
Curing can be achieved with medium pressure mercury vapour lamps.
Refer to Technical Information Sheet 003 for additional information on using this product.

PULSE ROLL LABEL PRODUCTS

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STORAGE & HANDLING	EL100 should be stored at temperatures between 15^0C and 25^0C. In unopened containers EL100 has a shelf life of 12 months. Good industrial hygiene should be followed with all UV materials, refer to H&S data sheet for full information.
PACKAGING	5kgs
AUXILIARY PRODUCTS	EL101 Photoinitiator EL102 Pre-mixed supply of EL100 and EL101

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