

RHUV-CRYSTAL

SUBSTRATES

Formulated for paper, paper board, wood, plastic and many other materials.

FINISHED PRODUCTS / END USES

Packaging for wine, cigarettes, calendar, publishing material and stationery etc.

PRODUCT INFORMATION

Crystal effect with bright transparent finish, smooth, high flexibility, and dazzling light glistening. For sparkling effect, add glitter flake or powder.

CHARACTERISTICS	Glossiness	Water Resistance	Alkali Resistance	Solvent Resistance	Flexibility	Adhesion
DESCRIPTION RHUV-Crystal	95-97	Grade 5	Grade 5	Grade 5	Excellent	Good

TECHNICAL PARAMETERS	Appearance	Viscosity @ 77°F (25°C)	Solidification/Curing Speed	Solidification/Curing Power	Resin
DESCRIPTION RHUV-Crystal	Transparent or yellowish liquid	280-320p	49-82 ft/min (15-25m/min)	≥90mj/cm ²	99%

APPLICATION INFORMATION

MESH

Monofilament polyester mesh count 40-80 (16-32T metric) when printing with glitter flakes. For most applications use 255-355 (100-140T) medium thread diameter with a good screen tension of at least 24-26 N/cm²

SQUEEGEE

70-75 durometer good quality polyurethane solvent resistance blade

COVERAGE

Changes with various mesh count

CURE

By Ultra Violet curing unit, best with 2 medium/high voltage mercury-vapor lamps of at least 5 Kw to ensure sufficient power for curing

ADDITIVES

Use UV Reducer (#1 or #2) to reduce viscosity and UV Bubble Remover (0.5-1.5%)

CLEAN UP

Use organic solvents to clean the screen and wait until it has evaporated before printing

NOTE:

1 To avoid risk of sticking together make sure the UV curing unit has good exhaust/ventilation. If the UV Unit does not have sufficient cooling separate substrate individually to reduce the temperature before stacking together. Avoid stacking unless product is tack free.

2 See User Information for more details.

RH Solutions stands behind the quality of this product. RH Solutions cannot, however, guarantee the finished results because RH Solutions exercises no control over individual operating conditions and production procedures. While technical information and advice on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate product for their end-use requirements. User are also responsible for testing to determine that our product will perform as expected during the printed item's entire life-cycle from printing, post-print processing, and shipment to end-use. This product has been specially formulated for screen printing, and it has not been tested for application by another method. Any liability associated with the use of this product is limited to the value of the product purchased from RH Solutions.