

## RHUV-REFRACTIVE

### SUBSTRATES

Formulated gold or silver paper, laser card, PVC and other materials.

### FINISHED PRODUCTS / END USES

Packaging for wine and cigarette, calendar and gift-wrap etc.

### PRODUCT INFORMATION

High reflectivity (refractive) effect on finish, dazzling and glistening and fine line printability. In combination with vector files a holograph effect can be achieved.

CHARACTERISTICS	Glossiness	Water Resistance	Alkali Resistance	Solvent Resistance	Flexibility	Adhesion
DESCRIPTION RHUV-Refractive	Changes with substrate type	Grade 5	Grade 4	Grade 3	Good	Good

TECHNICAL PARAMETERS	Appearance	Viscosity @ 77°F (25°C)	Solidification/Curing Speed	Solidification/Curing Power	Resin
DESCRIPTION RHUV-Refractive	Transparent liquid	250-300p	65-98 ft/min (20-30m/min)	≥50mj/cm <sup>2</sup>	99%

### APPLICATION INFORMATION

**MESH** Monofilament polyester mesh count 355-420 (140-170T metric) medium thread diameter with a good screen tension of at least 24-26 N/cm<sup>2</sup>

**SQUEEGEE** 75 durometer good quality polyurethane solvent resistance blade

#### COVERAGE

Approx. 430-square ft/kg (40m<sup>2</sup>/kg) with mesh count 420 (170T metric)

#### CURE

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

#### ADDITIVES

Use UV Reducer (#1 or #2) to reduce viscosity

#### CLEAN UP

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

#### NOTE:

1 The production of film and mesh play an important role in printing refractive effect. The fineness and glossiness of the printed image are determined by the quality of the mesh and substrate glossiness.

2 For fine printing line, pay close attention to adjust the viscosity, squeegee edge sharpness and printing methods.

3 If the squeegee is pneumatically control it is recommended to keep air pressure under 7-8kgf/cm, 0.68-0.78mpa. The squeegee edge quality will be necessary to improve print quality and a rotary cutter will produce the best edge for fine line work. Too much squeegee pressure and a poor squeegee edge will cause blurred image.

4 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.