

RHUV-WRINKLE

SUBSTRATES Formulated golden and silver paper, PVC, paper, board, organic glass, some filmed paper and other materials.

FINISHED PRODUCTS / END USES

Packaging for wine, cigarettes, stationary, tea, cosmetics and gifts etc.

PRODUCT INFORMATION

Wrinkle effect on finish, texture can be affected by mesh count and thread diameter.

CHARACTERISTICS	Glossiness	Water Resistance	Alkali Resistance	Solvent Resistance	Flexibility	Adhesion
DESCRIPTION RHUV-Wrinkle	Changes with substrate	Grade 2	Grade 3	Grade 4	Excellent	Good

TECHNICAL PARAMETERS	Appearance	Viscosity @ 77°F (25°C)	Solidification/Curing Speed	Solidification/Curing Power	Resin
DESCRIPTION RHUV-Wrinkle	Transparent or Yellowish	250-300p	49-82 ft/min (15-25m/min)	≥90mj/cm ²	99%

APPLICATION INFORMATION

MESH Monofilament polyester mesh count 125-255 (48-100T metric) medium thread diameter with a good screen tension of at least 24-26 N/cm²

SQUEEGEE 65-75 durometer good quality polyurethane solvent resistance blade

COVERAGE

Approx. 323-377 square ft/kg (30-35m²/kg) with mesh count 196 (72T metric)

CURE

By Ultra Violet curing unit, best with 3 - 40 watt lamps and 2 high/medium voltage mercury-vapor lamp at least 5Kw to ensure sufficient UV power for curing.

ADDITIVES

Use UV Reducer (#2) to reduce viscosity

CLEAN UP

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

NOTE:

1 The printing effect will be affected by water condition of the substrate surface and humidity. If the paper contains plenty of water or it is high in humidity when printing, it may cause the phenomena of mildew or bad adhesion. To solve this problem, the user should:

A. Dry the moist paper by preconditioning in the UV curing unit.

B. Avoid printing in moist surroundings or high humidity.

C. If the image comes off in scales, peels or sheds precondition in the UV curing unit. Peeling or shedding of layer is also known as desquamation.

2 When printing on matte film paper, the process of crinkling will reduce on the contact surface with substrate. At the same time, crinkling can result in product concentration, with decrease in matte film treatment; some wrinkle product then loses adhesion. Choose the proper matte film paper to avoid this problem. User should always pretest substrate to determine the best matte film paper for wrinkle product.

3 When printing on paper covered PVC and organic glass sheet, use alcohol to clean the surface to improve long lasting adhesion.

4 Mesh count, thickness of emulsion, voltage of wrinkle lamps and conveying speed of curing machine are important factors in determining printing effect. Pretest before printing is required.

5. See User Information for more details.

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