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♦ *TECHNICAL BULLETIN* ♦ *TECHNICAL BULLETIN* ♦ *TECHNICAL BULLETIN* ♦

RBC- UV 5029 BALANCE FAST RESIN

DESCRIPTION

UV 5029 is a one component, heavy UV curable resin system having a specific gravity of 2.05. Its deep cure capability of over 1/8" in seconds, eliminates the need for long oven or room temperature curing of traditional epoxy systems. UV 5029 may be fully cured while the part is in place on the balancing machine, making it immediately ready for the next manufacturing step or shipment to the customer. It's excellent adhesion, toughness and weight makes it an ideal candidate for many part balancing operations.

BALANCING APPLICATIONS

- Electric motor rotors
- Stepping motor rotors
- Fan blades
- Squirrel cage fans

LIQUID CHARACTERISTICS

- Viscosity.....Thixotropic paste @ 75F
- Color.....Off white
- Specific gravity.....2.05

CURING CHARACTERISTICS

- .125" in approximately 25 seconds 100 watts/in
- .125" in approximately 15 seconds 300 watts/in

CURED CHARACTERISTICS

- Color – Off white
- Chip resistant
- Excellent adhesion to most substrates
- Temperature range –40 to 240F

BENEFITS

- High specific gravity to minimize volume needed per part
- One component resin – ready to use as is
- Fast, deep cure with UV light exposure; allows full cure while on balancing machine
- Easily dispensed with no pot life or changes in viscosity while processing parts
- Eliminates bonding or mechanical attachment of weights or material removal by grinding or cutting.

STORAGE

Store UV 5029 in its original container at 50 – 75 degrees Fahrenheit until ready to dispense. Stir prior to use. **Dispense from a light tight dispensing system. Minimize exposure to light.**

CAUTION AND SPECIFICATIONS

RBC UV products are not known sensitizing materials, however, contact with skin should be avoided. In case of contact with skin, wash with soap and water. All technical data contained on this sheet are for comparison purposes only. Actual values may differ significantly from those listed due to variables beyond our control. Contact RBC Industries for assistance and recommendations on specification limits of this material.