



ADHESIVES & COATINGS, INC
QURETECH®
TECHNICAL DATA SHEET

Country Club Road, PO Box 628
Grafton, WV 26354
800-847-7773
Fax; 304-265-5202
www.dyna-techadhesives.com
www.quiretech.com

Providing Advanced Water-based and Energy
Curable Coatings and Adhesives
For Over 25 Years.
Clean, Safe, Worker Friendly

DynaCoat UV-3111RC

Monomer Free UV Coating
Hot Stamp Foil/Low Extractability

Developed using a proprietary resin technology that does not require the use of acrylate monomer diluents. The result is extremely low extraction potential with lower press side odor, improved worker safety and reduced potential for skin irritation. Formulated as a low slide angle UV curable overprint varnish it is recommended for Hot Stamp foil processes for food packaging and pharmaceutical applications where the potential for migration of residual components of the coating to the packaged material is a concern. Provides very fast cure speed, superior gloss, consistent surface mobility, and excellent scuff resistance. Substrates varnished with DynaCoat UV-3111RC combine “wet look” graphics with low extraction results and superior package durability to provide excellent filling and distribution properties.

Physical Properties (as supplied)

Viscosity, as supplied	55 - 65 sec #3 Zahn @ 25°C 900 - 1300 cps @ 25°C
Application viscosity:	As received
Weight per Gallon @ 23°C	9.2 lbs.
Wet color:	Light straw
Color after curing:	Clear, high gloss
Shelf life:	12 months from manufacture date

Suggested Application/Cure Data

Application method:	Roll coater
Recommended coating weight:	Anilox 180 – 360 depending on substrate 1.8 – 2.2 lbs. per 3000 square feet
Cure conditions:	60 ft/min/300 watts per inch lamp (100 millijoules/square centimeter)
Cleanup:	Use cleaning methods and materials normally used with UV products

Typical Performance Properties

Hot Stamp	Excellent for Hot Stamp Applications
60° Gloss	80+
Slide angle °	15 – 30 (can be custom formulated)
Scuff resistance	no ink transfer (100 Sutherland rubs 4# weight)

June 07

This product information is presented in good faith and is to the best of our knowledge, accurate. It is intended to be used as a guide and is not to be construed as a specification for products described herein. Dyna-Tech does not guarantee satisfactory results in any application from reliance upon this information and assumes no liability for any loss or damage arising out of its use. Dyna-Tech recommends that the user of our products thoroughly test them under end use conditions to assure that they meet the requirements of intended applications. Statements and methods described herein are based upon the best information and practices known to Dyna-Tech Adhesives, Inc. However, procedures for applications mentioned are suggestions only and are not to be construed as representation or warranties as to performance results. Nor does Dyna-Tech Adhesives, Inc. warrant freedom from patent infringement in the use of any formula or process set forth herein. The user must test performance for acceptability using their conditions.