



ADHESIVES & COATINGS, INC
QURETECH®
TECHNICAL DATA SHEET

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

DynaCoat UV-3111F

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. DynaCoat UV-3111F provides very fast cure speed, superior gloss, consistent surface mobility, and excellent scuff resistance. Substrates varnished with DynaCoat UV-3111F 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 – 650 sec #3 Zahn @ 25°C 700 - 1000 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:	Flexographic, offset gravure, reverse gravure and dampener coater Anilox 180 – 360 depending on substrate
Recommended coating weight:	1.8 – 2.2 lbs. per 3000 square feet
Cure conditions:	100 ft/min/200 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 (dependent on coating weight - can be custom formulated)
Scuff resistance	no ink transfer (100 Sutherland rubs 4# weight)

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