



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

Enerdyne UV-4554

Flexibility To Meet Your Needs
Stability You Can Depend On

Adhesive for DieLESS Foil - API

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 an energy curable adhesive for the DieLESS foil process, it is recommended for evaluation where the foil will be laminated to paper and paperboard substrates.

Physical Properties (as supplied)

Viscosity as supplied	900 - 1200 cps @ 25°C
Application Viscosity	As Received
Weight per gallon:	9.2 lbs./gal.
Wet Color	Yellow
Color after curing:	Yellow
Shelf life:	12 months from manufacture date

Suggested Application/Cure Data

Intended for DieLESS foil process:	Must be used in combination with a DieLESS foil DieLESS foil should be applied to the Enerdyne UV-4554 printed adhesive and cured through the foil then the carrier film rewound. Additional UV curing will maximize final adhesion.
Application method:	Flexographic, offset gravure, reverse gravure, and dampener coater
Recommended coating weight:	2.0 - 3.0 lbs. per 3000 square feet
Cure conditions:	50 ft/min/300 watts per inch lamp (~149 millijoules/square centimeter)
Clean up:	Use cleaning methods and materials normally used with UV products

Typical Performance Properties

Adhesion	Excellent when tested with 610 tape.
Scuff resistance	No foil scuff or transfer when properly cured and overprinted with an approved topcoat. (100 Sutherland Double Rubs)

** To insure optimum performance and stability, protect Enerdyne UV-4554 from all light sources during use and storage.

May 2010

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.