



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

DynaPrime UV-3590

DieLESS Foil Primer

Formulated as an Energy Curable primer for the DieLESS foil process. It is recommended for packaging applications where increased adhesion of water based or UV curable ink to the DieLESS foil is desired. DieLESS foil primed with DynaPrime UV-3590 provides a smooth print surface and excellent adhesion for most water based and UV curable inks and coatings. Also recommended as a first down Seal Coating to provide a suitable printing surface for the UV DieLESS adhesive.

Physical Properties (as supplied)

Viscosity, as supplied	200 – 300 @ 25°C
Application viscosity:	As received
Weight per Gallon @ 23°C	9.25 lbs.
Wet color:	Light straw
Color after curing:	Clear, high gloss
Shelf life:	12 months from manufacture date

Suggested Application/Cure Data

Intended for DieLESS foil process:	May be used in combination with Enerdyne UV-4500, 4511, 4523, 4536 or 4566 adhesive and overprinted with an approved coating to insure maximum performance
Application method:	Flexographic, offset gravure, reverse gravure, and dampener coater
Recommended coating weight:	1.5 – 2.0 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

Adhesion	Excellent when tested with 610 tape
Slide angle °	15 – 20 (when overprinted with DynaCoat UV-3625 or DynaCoat UV-3013)
Scuff resistance	no ink transfer (when overprinted with DynaCoat UV-3625 or DynaCoat UV-313) (100 Sutherland rubs 4# weight)

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