



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-4552

Seal Coat for Porous Substrates

Clear (Non-Yellowing) DieLESS Foil Adhesive

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 Seal Coating for the DieLESS foil process, it is recommended for food packaging and pharmaceutical applications where the potential for migration of residual components of the coating to the packaged material is a concern. Substrates sealed with DynaPrime UV-4552 provide a smooth print surface for Enerdyne UV-4523 DieLESS adhesive and excellent adhesion for most water based and UV curable inks and coatings. Also recommended as a DieLESS adhesive for clear holographic foil.

## Physical Properties (as supplied)

Viscosity, as supplied	1100 1300 cps @ 25°C
Application viscosity:	As received
Weight per Gallon @ 23°C	9.26 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:	Must be used in combination with Enerdyne UV-4522 or Enerdyne UV-4516 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-3013) (100 Sutherland rubs 4# weight)

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