

Heat-activated in-mold coating designed to enhance the surface of molded parts.

GENGLAZE™ EC-2447 surface finish is integrated to the part during compression molding, eliminating the need for separate coating steps. Its 100% solids formulation avoids the use of solvents and enables a more efficient manufacturing process.

For further information regarding this product please refer to:

Coatings Synthomer

eMail: coatings@synthomer.com

Property	Typical Value	Unit	Method ¹
Chemistry Type	proprietary polymer		
Physical Form	liquid		
Viscosity (@30°C)	5500	mPa*s	
Flash Point	34	°C	
Pencil Hardness	H		
Density	1.25	g/cm ³	DIN 51757
Conductivity	>140	Randsburg units	

¹ internal method based upon the specified norm

Key advantages

- Enhances the surface of reinforced plastics, automotive, truck FRP body panels, and other molded parts
- Delivers a smooth, sealed, and protected surface in a single step, meeting or exceeding most OEM Class A coating specifications
- The conductive finish enables electrostatic coating and supports standard automotive painting operations using conventional equipment
- Designed to provide parts with a uniform, finished appearance directly from the molding operation

Substrate Recommendations: Compression and injection molded FRPS, SMC, LPMC, BMC, SRIM, RTM, LPL TMC

Recommended Film Thickness: 2.0 to 5.0 mils, 50.8 to 127µm.

Processing Guidelines: Cure schedule: 45 seconds @ 150 °C (300 °F), 1.5 weight % TBPB

Recommended Catalyst: TBPB at 0.8 to 1.5 weight %, level may be adjusted (within limits) to adjust cure time

Catalyzed Pot Life: 14 days @ 77°F (25°C)

Coverage: For 76 µm thickness, 13.1 m²/liter, 10.74 m²/kg (3.0 mils, 535 ft²/gal, 51 ft²/lb)

Shipping and Storage

The product must be protected from exposure to direct sunlight. A storage temperatures of 25°C is recommended. Care must be taken that drums and containers are properly closed. When stored properly, the product has a shelf life of 6 months from the date of manufacture.

Product Safety

Before handling, please read the Safety Data Sheet of this product for advice on safety, use and disposal.