

ELEGLAS™

Glass and Ceramic Coatings



An Unrivaled, Vibrant Finish to Your Glass and Ceramic Products.

Eleglas™ is a tintable clear coating, formulated for glass and ceramic surfaces. These user friendly technologies are available in a wide array of custom and standard colors, as well as textures and finishes.

Eleglas coatings are designed to provide a high resistance to chemicals, scuffs and abrasions, wet adhesion, as well as cold storage and dishwasher cycling. Eleglas meets the aesthetic requirements of the glass container market, and fits in the standard glass container market application processes.

Eleglas is a single component water based curing polymer which, after cross-linking produces a hard but elastic, adherent film on glass and ceramic containers. Available in a range of technologies, colors and finishes, Eleglas provides solutions to a multitude of industries.

Products:

W31-GL041

Colorless Gloss Base Coat

Primary chemistries includes:

- » Aqueous Polyester Amino

Special Characteristics:

- » Fast curing
- » Very high chemical resistance
- » Cost effective
- » One-coat application

High temperature cure:

- » Between 160 - 200°C (320-392°F)
- » Cure cycles : 5 - 25 minutes

Typical application methods:

- » Electrostatic disc spray - higher efficiency and even coverage

W211-GL038

Colorless Gloss Base Coat

Primary chemistries includes:

- » Aqueous Polyester Amino/ PU/ Acrylic/ Amino

Special Characteristics:

- » Exceptional gloss and clarity
- » Extremely high chemical resistance
- » Very good inter-coat adhesion



Product Attributes

- » Many colors and effect finishes
- » Excellent abrasion and chemical resistance
- » Available flexible mixing scheme
- » Excellent retention of physical and chemical properties
- » High flexibility and film strength
- » Easy to apply
- » Exceptional gloss, clarity and brightness
- » Suitable as one-layer system
- » Fast cure

Key Industries

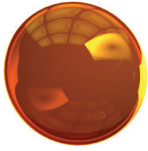
- » Luxury Packaging
- » Cosmetics
- » Beverage
- » Lighting
- » Glassware
- » Tableware

Substrates

- » Glass
- » Ceramic



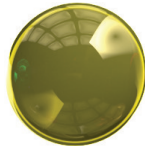
Available Stock Colors



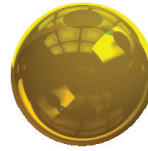
Amber
PWG93-303



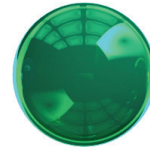
Yellow
PWG93-358



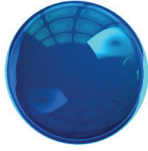
Yellow
PWG93-368



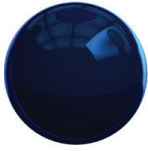
Yellow
D4-321



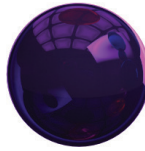
Green
PWG93



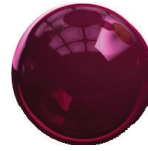
Blue
PWG93-315



Blue
PWG93-326



Violet
PWG93-324



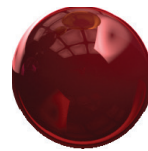
Magenta
D4-333



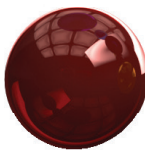
Magenta
PWG93



Magenta
PWG93-3106



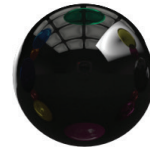
Red/Orange
D4



Red
PWG93-336



Black
D4-319



Black
PWG93-309



Acid Etch



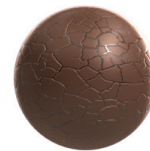
Frost



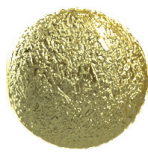
Soft Touch



White Gloss



Crackle



Gold Wrinkle



Iridescent



Granite



Finishes:

A wide range of finishes – from acid etch effects, transparent shades, and opaque colors to textures, soft touch, UV fluorescent, UV blocking, crackle effects, and sublimation coatings which allow photographic and 3D effects.

Colors:

Colors can be supplied ready mixed to meet customer requirements or base products and pigment dispersions can be supplied to be mixed at your factory.

Specifications:

Our cosmetic and beverage products meet many demanding specifications, such as TSCA, EN71, CONEG, and REACH regulations.



PRODUCT PERFORMANCE

VOC	240 - 250 g/l
Solids Content (RFU)	32 - 38%
Dry Adhesion	Excellent
Wet Adhesion (Immersion)	Excellent
Erichsen Scratch Test	6 - 8N
Chemical Resistance MEK Resistance Alcohol Resistance 5% NaOH (60°C, ph12.5)	Very High 100 DR O.K. 100 DR O.K. 2 hrs - Pass
Over Bake Resistance	1 hr @ 180°C - No Effect
Taber Abrasion Resistance (CS10, 500g, 50μ wft)	500 Cycles
Inter-Coat Adhesion with Inks	Good to Very Good
L'Oreal G1 Test (24hr @ 50°C)	Pass



Axalta Coating Systems

1.855.6.AXALTA

axalta.us

EleglasNA@axaltacs.com

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