



**NORTHERN**  
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# A TOUCH OF GLASS

Coatings and Colorants Product Guide for Glass, Ceramic, and Plastic Decorating



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## Northern Coatings Touch of Glass ® Waterborne Coating Systems for Glass, Ceramic, and Plastic Decorating

Product	Description	Colors	Applications	Cure Schedule	Performance Characteristics and Unique Features	Regulatory
Crystal Touch Clear	Acrylic based waterborne thermoset clear coating tint base for glass and ceramic decorating	All standard transparent and opaque colors, most dye colors	Decorative glassware and single use containers	3-5 min Infrared 20-30 min Convection 380F	Economical and versatile application. High film hardness and extreme film clarity and DOI. Robust in achieving final film appearance even over glass with cold end lubricant or other contaminants	Haps Free BPA Free Prop 65 Compliant
Crystal Touch Frost	Acrylic based waterborne thermoset matte coating tint base for glass and ceramic decorating	All standard transparent and opaque colors, most dye colors	Decorative glassware and single use containers	3-5 min Infrared 20-30 min Convection 380F	Economical and versatile application, robust in achieving final film appearance even over glass with cold end lubricant or other contaminants.	Haps Free BPA Free Prop 65 Compliant
Ultra Touch Clear	Urethane based waterborne thermoset clear coating tint base for glass and ceramic decorating	All transparent and opaque pigment colors and most dye colors	Decorative glassware, tile and ceramic, sublimation base, liquor bottles	3-5 min Infrared 10-30 min Convection 300-380F	High film hardness and superior adhesion to glass and ceramic with excellent clarity. Optional UV radiation blocking feature while maintaining clarity, independent of color selection. Superior curing performance and dry to touch before cure.	Haps Free BPA Free Prop 65 Compliant
Ultra Touch Frost	Urethane based waterborne thermoset matte coating tint base for glass and ceramic decorating	All transparent and opaque pigment colors and most dye colors	Decorative glassware, tile and ceramic, sublimation base, liquor bottles	3-5 min Infrared 10-30 min Convection 300-380F	Extreme transit abrasion burnishing and wear resistance, particularly against cardboard and other abrasive packaging. Superior curing performance and dry to touch before cure.	Haps Free BPA Free Prop 65 Compliant
Ultra Touch Clear Plus	Urethane based waterborne thermoset clear coating tint base for glass and ceramic decorating with enhanced performance properties for severe duty applications	All transparent and opaque pigment colors and most dye colors	Decorative glassware, tile and ceramic for bath and exterior decoration, sublimation base, liquor and wine bottles rated for water immersion	3-5 min Infrared 10-30 min Convection 300-380F	Enhanced resistance to moisture and water immersion. Enhanced chemical resistance. Superior curing performance and dry to touch before cure. Optional enhanced abrasion package can be incorporated for extreme face to face contact abrasion environments, such as automated filling and bottling applications.	Haps Free BPA Free Prop 65 Compliant
Ultra Touch Frost Plus	Urethane based waterborne thermoset matte coating tint base for glass and ceramic decorating with enhanced performance properties for severe duty applications	All transparent and opaque pigment colors and most dye colors	Decorative glassware, tile and ceramic for bath and exterior decoration, sublimation base, liquor and wine bottles rated for water immersion	3-5 min Infrared 10-30 min Convection 300-380F	Enhanced resistance to moisture and water immersion. Enhanced chemical resistance. Superior curing performance and dry to touch before cure. Optional enhanced abrasion package can be incorporated for extreme face to face contact abrasion environments, such as automated filling and bottling applications.	Haps Free BPA Free Prop 65 Compliant

<b>UV Touch Clear</b>	UV curable waterborne coating clear tint base	All transparent and most opaque pigment colors	Decorative glassware, plastic and glass containers for cosmetic and personal care, exterior durable plastic	2 min IR Flash off, then UV cure in seconds	Low energy requirements and fast cure. Ideal for temperature sensitive substrates. Adhesion to glass as well as difficult plastics such as PET, HDPE, LDPE, and Polycarbonate. Dry to touch before curing reduces contaminant pickup associated with traditional UV cure coatings.	Haps Free BPA Free Prop 65 Compliant
<b>UV Touch Frost</b>	UV curable waterborne matte	All transparent and most opaque pigment colors	Decorative glassware, plastic and glass containers for cosmetic and personal care	2 min IR Flash off, then UV cure in seconds	Low energy requirements and fast cure. Ideal for temperature sensitive substrates. Adhesion to glass as well as difficult plastics such as PET, HDPE, LDPE, and Polycarbonate. Dry to touch before curing reduces contaminant pickup associated with traditional UV cure coatings.	Haps Free BPA Free Prop 65 Compliant

### **Northern Coatings Touch of Glass ® Waterborne Coating Colorants for Glass, Ceramic, and Plastic Decorating**

Northern Coatings is proud to offer a wide range of colorants to meet our customers' needs. In addition to offering custom formulated colors, we offer our customers the ability to purchase tint bases and colorants separately and mix their own custom colors, allowing them to respond as quickly as possible to market needs and trends. Purchasing bulk quantities of base and colorant separately also saves money by eliminating costs and logistics associated with low volume colors as well as waste due to overproduction.

<b>Description</b>	<b>Type</b>	<b>Colorant Code</b>
Transparent blue-shade red dye	Dye Solution	PS200
Red transparent dye	Dye Solution	PS228
Transparent orange dye	Dye Solution	PS132
Transparent yellow dye	Dye Solution	PS207
Navy Blue dye in cosolvent	Dye Solution	PS172
Blue shade Black dye solution	Dye Solution	PS208
Opaque yellow shade red	Pigment Dispersion	PS201
Transparent, high DOI dispersion of yellow shade red	Pigment Dispersion	PS198
Transparent red	Pigment Dispersion	PS212
Transparent blue-shade red	Pigment Dispersion	PS216
Magenta-pink dispersion	Pigment Dispersion	PS203
Transparent orange dispersion	Pigment Dispersion	PS213
Transparent yellow dispersion	Pigment Dispersion	PS202
Opaque yellow dispersion	Pigment Dispersion	PS218
Transparent green dispersion	Pigment Dispersion	PS205
Transparent blue dispersion	Pigment Dispersion	PS196
Violet pigment dispersion	Pigment Dispersion	PS197
Blue shade carbon black	Pigment Dispersion	PS204
Brown shade carbon black	Pigment Dispersion	PS227
White opaque pigment	Pigment Dispersion	PS206
Dark brown transparent	Pigment Dispersion	PS210
Medium brown opaque	Pigment Dispersion	PS217
Dark brown opaque	Pigment Dispersion	PS214
Transparent red iron oxide	Pigment Dispersion	PS229