



Regional Glass Systems Headquarters

Americas
 Ferro Glass & Color Corporation
 West Wylie Avenue
 Washington PA
 USA

Europe
 Ferro GmbH
 Gutleutstrasse 215
 Frankfurt am Main
 Germany

Asia Pacific
 Ferro Japan KK,
 21 Kasuminosato
 Ami-Machi, Inashiki-Gun
 Ibaraki Pref.
 300-0315 Japan

t +1 724 223 5900
 f +1 724 228 3170
 info@ferro.com

t +49 69 2711 60
 f +49 69 2711 6368
 glass@eu.ferro.com

t +49 69 2711 60
 f +49 69 2711 6368
 glass@eu.ferro.com



© Copyright Ferro 2008.
 Ferro reserves the right to alter specifications.

www.ferro.com



SpecTruLite® setting new standards

SpecTruLite® WATER-BORNE COATINGS & INKS SET NEW STANDARDS IN ENVIRONMENTALLY FRIENDLY HEAVY METAL- FREE & LOW VOC ORGANIC DECORATIONS, THAT DO NOT COMPROMISE ON QUALITY, PERFORMANCE OR STYLE

LEADING THE WAY

At Ferro, we recognize our obligation to protect the environment and our product development efforts and manufacturing processes reflect this.

Ferro was first to introduce single-pack water-borne, low temperature cured coatings to the North American glass container market in the mid-90's, which were then launched in Europe and Asia. Through various product iterations and material improvements, the ranges have now evolved into our SpecTruLite brand of compatible organic coatings and inks.

SpecTruLite water-borne coatings and inks offer a spectacular broad color palette, which includes heavy-metal free (HMF) bright reds, yellows and oranges, and special effects such as frosts, fluorescent and temperature-sensitive colors.

SpecTruLite organics have good glass adhesion, mechanical and chemical resistance, and are especially suited to high-speed decoration and bottle filling lines. They are used more and more by package designers and brand managers to give their products stand-out shelf appeal.



HTP inks can be used for multi-print jobs on machines traditionally used for glass enamel decorations, minimizing the investment cost of converting to organic colors.



WHY SpecTruLite®

Our water-borne coatings can be applied by electrostatic disc, aerobell or spray-gun to assure maximum benefits in throughput, product yields and cost.

Our RTP (cold) and HTP (hot-melt) inks are fully compatible with our coatings, meaning maximum design potential can be achieved. Inks can be used for both single-trip and multi-trip bottle applications.

All our SpecTruLite products can be cured at low temperatures compared to glass enamels, leading to reduced energy and maintenance costs. Curing can be achieved in a conventional decorating Lehr with the various heat zones adjusted to deliver lower temperatures.

Low temperature curing has the added advantage of introducing less residual glass stress, enhancing the potential for reductions in glass bottle weight.



Focused on customers' exact requirements

OUR REGIONAL TECHNICAL EXPERTS ADD VALUE TO YOUR PROJECT BY TAILORING OUR PRODUCTS EITHER ON SITE OR IN OUR LABS TO MEET YOUR SPECIFIC NEEDS

ORGANIC COATINGS

We offer two systems – both of which are water-borne single-pack systems – generally chosen dependant on the product specification and final application.

Our original epoxy based system is typically used where dishwasher durability or chemical resistance is critical.

Our acrylic system has even lower VOC and delivers excellent transparency with high gloss.

ORGANIC INKS

RTP (cold print) inks are supplied in liquid paste form and need to be cured after each print. They are generally used for single-print applications but can also be used as the final print of a multi-color project.

HTP (hot melt) inks are recommended for multi-print applications. These inks are formulated to be dry to the touch on immediate contact with glass, such that the next print can be immediately over-printed using high-speed multi-color decoration machines.

This is a big advantage of the HTP system. Although application conditions and machine settings are significantly different, machines typically used for printing glass enamels can be easily converted to print organic inks.



Ideal for use on cosmetics and perfumes containers; liquor, soft drink and other beverage bottles; food packaging, tumblers and household containers; giftware and advertising specialities; lighting; glass furniture, mirrors and appliance glass



COLOR MIXING AND MATCHING

We offer a standard mixing palette of colors, which gives our customers the flexibility of tailoring mixings and color matches on site. Using our basic ranges of coatings and inks, the possibilities are almost endless.

Decorators and designers can prepare a vast range of colors and effects - from hi-gloss clears, opaque, metallic, pearlescent and matte colors to colored imitation acid etches. Coatings can be applied singly or in combination, as an all-over even finish or to deliver diffused flow-out effects.

We also provide custom color-matching and can create special effects in our technical service laboratories.