



INTERPLASTIC

# CASE

# history



*“...Interplastic addressed the needs of the industry by developing products...”*

## Interplastic Makes a Splash with Sun Fiberglass

When Curt Prystupa founded Sun Fiberglass Pools in Brooksville, Florida, he knew whose products he wanted in the manufacture of his pools. He has used Interplastic's products since his company produced its first pool in 1995.

“I became familiar with Interplastic while working for a previous manufacturer, and regarded them as a high-quality supplier,” says Prystupa. “I consulted with them and enlisted their technical expertise to determine the best way to integrate their products into the manufacture of our one-piece fiberglass swimming pools.”

Sun Fiberglass Pools feature CoREZYN® 8100 series vinyl ester resin at the core of their pool skins. This epoxy vinyl ester product strengthens the surface, giving the pool body flexibility and resistance to osmotic blistering, fatigue, moisture, and chemicals.

Interplastic is an industry innovator in polyester and vinyl ester resins and offers the most extensive range of products. The CoREZYN line's durability makes it appropriate for pool, spa and marine applications without compromising safety. With low hazardous air pollutants (HAP) ratings, they meet the latest EPA standards and volatile organic compound (VOC) requirements of Southern California's South Coast Air Quality Management District's Rule 1162 for High Strength Resin.



Sun Fiberglass Pools also use two other Interplastic products — Integrity® high-performance gel coat and the primary laminating resin. The first product applied to the pool mold to begin the fabrication process is gel coat, which provides a smooth interior finish on the pool. The gel coat has a gloss finish with rich colors, and provides bacteria, water and crack resistance to prevent penetration to the other layers.

After the gel coat and vinyl ester resin are applied to the mold to form the pool skin, layers of fabric are integrated into the mix, and CoREZYN (COR61-AA-531) laminating resin is applied, binding the layers together. MACT-compliant COR61-AA-531 offers excellent fiber wetting for advanced laminate physical properties. The resin rolls out easily, speeds the manufacturing process and reduces labor costs. COR61-AA-531 is designed to minimize shrinkage and exothermic reaction during the curing process, resulting in a superior surface quality. Reinforcing materials are then applied to strengthen the side walls. After the three layers of Interplastic products are applied to the pool mold, the new pool skin is removed from the mold, then cured, trimmed and transported to the customer.

“Vinyl ester resin was an innovation and a driving force in our industry. It eliminated problems in pool manufacture, including bleed-through on the pool surface and body inflexibility,” says Prystupa. “Even if another company offered products similar to those from Interplastic, its technical experience and customer service are superior. We have easy access to and support from Interplastic’s technical staff.”

Prystupa’s praise for Interplastic’s technical support extends to product development. “In the last year, we worked closely with them to develop a special-effects gel coat — a variation of the product we have used for years,” he says. “A blue polyester flake is added to the gel coat to provide an aggregate look and give customers more choices. With or without the polyester flake, Integrity gel coats from Interplastic are a dependable product with excellent performance in processibility, durability, coverage during the spraying process and elasticity.”

CoREZYN vinyl ester resin was the focus of the company’s 15-year immersion study, which analyzed the effects of water immersion on laminate panels constructed with 100 percent CoREZYN vinyl ester resin or a vinyl

ester skin coat. Laboratory analysis concluded that the vinyl ester resin created a barrier impervious to water, preventing osmotic blistering. The panels also retained their original physical properties, including flexural strength and modulus and Izod impact strength.

“I grew up in the pool business. My family sold above-ground pool kits in New England,” says Prystupa. “The industry has always lacked research and development. Today, Interplastic addresses the needs of the industry by developing products to meet them. And, they do business the old-fashioned way — by making customers feel valued and exceeding their expectations.”

Sun Fiberglass Pools are handcrafted and finished with modified epoxy skin-coat resin, along with structural ribs and a reinforced coping. The pools are manufactured in Brooksville, Florida, and Albany, Kentucky, and supplied to customers throughout the United States and Caribbean islands.

Interplastic Corporation is a specialty chemical company with its headquarters in St. Paul, Minnesota. Its Thermoset Resins Division focuses on the production and distribution of unsaturated polyester, vinyl ester resins, gel coats, and colorants for the composites and cast polymer industries. The Molding Products Division is a leader in the production of sheet molding compounds and other thermoset molding materials. Interplastic Corporation’s Thermoset Resins Division is ISO 9001:2008 and ISO 14001:2004 certified.



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## Making a Splash

