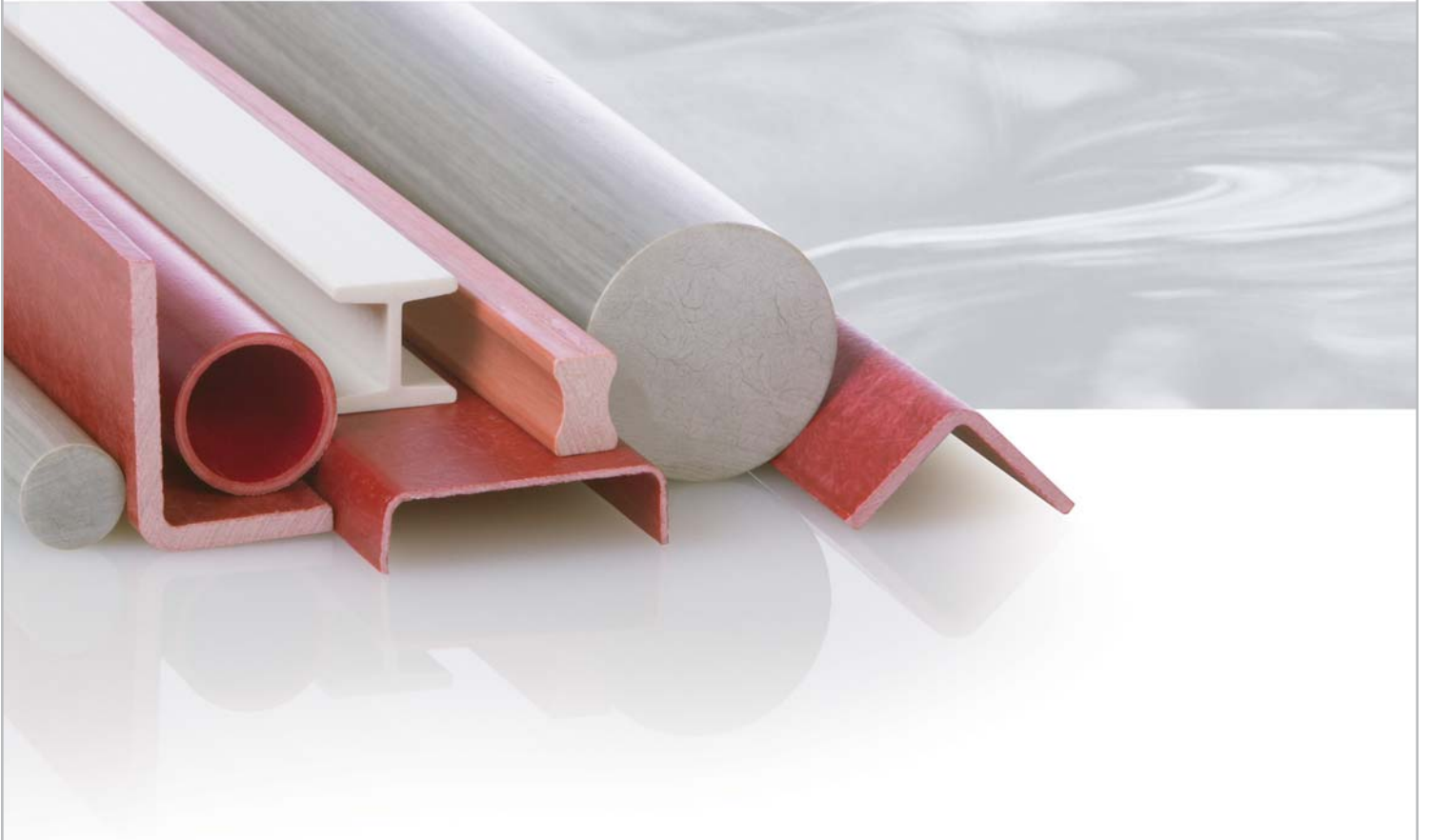


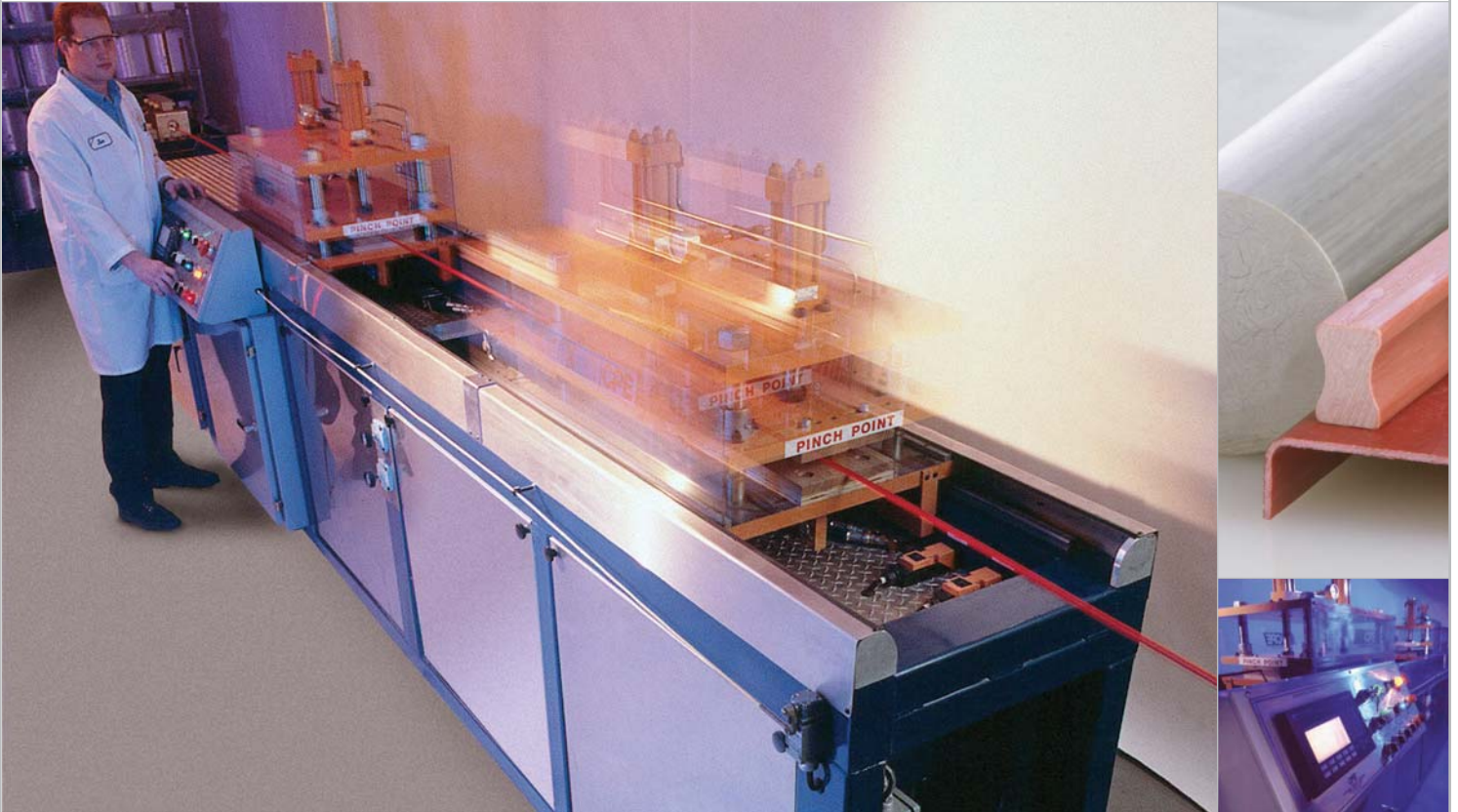


INTERPLASTIC CORPORATION
Thermoset Resins Division



CoREZYN®
Pultrusion Resins

Why settle for a resin manufacturer when you can have a resin-supply partner?




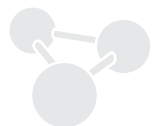
Commitment

Resins are a key component of successful pultrusion, a process you well know is complex, continuous and highly technical. The right resin, however, helps ensure a smooth process and a resulting product that meets your specifications.

To find the right resin, you need more than just a manufacturer. Choose a resin-supply partner. A partner who focuses on your challenges and listens to your needs. One who is committed to helping you meet production deadlines and making sure your products maintain the highest integrity in the marketplace.

Make your resin-supply partner Interplastic Corporation. We've been supplying polyester resins, vinyl ester resins and pigment dispersions to the pultrusion and composite industries for more than 40 years, and our plants are ISO 9001-2000 certified. As a long-standing member of the Pultrusion Industry Council, we've proven that we're here for the long term.

 You need resins that work in your specific application, so we test them in our on-site pultrusion laboratory to make sure they do.



What you can expect from us.

Interplastic has formulated a broad range of resins specifically for the pultrusion market. Check out our specifications listed on the back cover. We can provide you with the right ready-to-use vinyl ester and polyester resins for nearly any pultrusion process, engineering requirement or end-use application. And when you have a unique challenge, we can custom-formulate a solution for you.

CoREZYN® vinyl ester resins are corrosion resistant to withstand severe environments. In addition, they enhance composites with high-strength, low-weight and excellent resistance to fatigue. That's why our vinyl esters have become the material of choice for many specialized applications, including fire resistance, in industries such as marine, transportation, construction, aerospace and others.

CoREZYN also supplies isophthalic and orthophthalic polyester resins for applications used in less severe environments. End-use applications include beams, pipes, channels, tubing and more.

So how do we make sure our resins work well and get you to a strong starting point? We test our resins—whether they're ready-made or custom-designed for specific uses—in our on-site pultrusion laboratory. This full-scale production facility allows us to test resins with a variety of initiators and under varying temperatures (our machine has three heated die sections) and pull speeds, ranging from 8 in./min. to 8 ft./min. The benefit for you is simple but important. You receive resins that work in your specific application.



From the resin bath, this pigment-impregnated filament is pulled toward the heated die on our pultrusion machine.



As you formulate pultrusion resin matrices at your site and want technical assistance, we're only a phone call away. Interplastic technicians are ready to help. And as always, our technical assistance costs you nothing.

Interplastic offers other no-cost, value-added services as well.

- **Analytical laboratory.** Our full analytical lab measures everything from extent of cure to glass transition temperatures.
- **Mechanical testing laboratory.** Our mechanical testing technicians are always ready to put your product through its paces. They can conduct a variety of tests for you, including: flexural and tensile strength and modulus testing in elevated and subambient temperature conditions; notched and unnotched Izod; QUV weathering exposure testing; degree of cure; glass transition temperature determination; offsetting competitive-materials analysis; fire testing to comply with UL 94, HLT-15, and ASTM D-635; limiting oxygen index; and corrosion testing in various chemical media.

Whether you run high or low volumes for simple or intricate profiles, Interplastic has the products and expertise to help you get the job done quickly and efficiently. Simply said, our commitment to your business runs deep.

Put CoREZYN pultrusion resins to work for you today. Call one of our representatives in your area for details or visit www.interplastic.com.

CoREZYN® Pultrusion Resins

| Resin | Viscosity* (cps) | Gel Time** (minutes) | Gel to Peak** (minutes) | Peak Exotherm °F (°C) | Non-Volatile % |
|--|---------------------|-------------------------|----------------------------|--------------------------|----------------|
| COR31-DA-208 high-viscosity, high-reactivity, rigid, fast-line speed, isophthalic polyester resin | 2200–2800 | 2.5–5.5 | 0.5–2.0 | 430–480 (221–249) | 66–71 |
| COR30-DA-250 low-viscosity, resilient, medium-reactivity, isophthalic polyester resin | 700–1200 | 4.0–6.0 | 1.0–3.0 | 390–440 (199–227) | 65–70 |
| COR30-DA-210 low-viscosity, resilient, medium-reactivity, fast-line speed, isophthalic polyester resin | 800–1300 | 4.0–7.0 | 1.0–3.0 | 390–460 (199–238) | 64–69 |
| COR30-DZ-204 low-viscosity, medium-reactivity, corrosion- resistant, isophthalic polyester resin | 500–900 | 4.5–7.5 | 1.0–3.0 | 400–450 (204–232) | 58–63 |
| CORVE8180 medium-viscosity, high-reactivity, corrosion- resistant, fast-line speed, vinyl ester resin | 1000–1500 | 8.0–14.0 | 1.5–3.5 | 350–410 (177–210) | 68–73 |
| CORVE8182 low-viscosity, high-reactivity, corrosion- resistant, fast-line speed, vinyl ester resin | 350–750 | 9.0–13.0 | 1.5–3.5 | 350–410 (177–210) | 65–70 |
| CORVE8300-35 high-viscosity, corrosion-resistant, medium- reactivity, vinyl ester resin | 2200–2800 | 12.0–16.0 | 1.5–4.0 | 340–390 (171–199) | 62–67 |
| COR31-DA-380 high-viscosity, medium-reactivity, corrosion- resistant, medium/fast-line speed, PET isophthalic polyester resin | 3300–4000 | 4.0–7.0 | 1.0–2.5 | 420–470 (216–243) | 68.5–71.5 |
| COR31-DA-470 medium-viscosity, medium-reactivity, medium-line speed, terephthalic isophthalic polyester resin | 2500–3100 | 3.0–6.0 | 0.75–2.0 | 410–450 (210–232) | 67–71 |

*LV Brookfield viscometer @ 77°F (25°C).

**SPI gel time run in 180°F (82°C) water bath, catalyzed with 1.0 phr of 98% benzoyl peroxide, minutes.

All specifications and properties shown are approximate. Specifications and properties of material delivered may vary slightly from those given above. Interplastic Corporation makes no representations of fact regarding the material except those specified above. No person has any authority to bind Interplastic Corporation to any representation except those specified above. Final determination of the suitability of the material for the use contemplated is the sole responsibility of the buyer. The Thermoset Resins Division's technical sales representatives will assist in developing procedures to fit individual requirements.



INTERPLASTIC CORPORATION
Thermoset Resins Division



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