



INTERPLASTIC CORPORATION
Thermoset Resins Division



Our Consistency Runs Deep



CONSISTENCY



Marble/Onyx Multi-Use Resins

As the leading supplier of multi-use marble/onyx casting resins, we've developed hundreds of formulas to meet the specific requirements of our most demanding cast polymer manufacturers.

Our SIL94 series resins are widely used because they're designed to fit a broad range of product uses both in cultured marble and onyx. And they're manufactured with our legendary ability to achieve low color with the highest degree of consistency and quality.

SIL94BA-987A is a resin engineered for use with a broad spectrum of fillers and temperature ranges. This premium resin provides excellent reproduction of the beauty of natural stone in marble, onyx and granite effect fillers.

SIL94BA-990 is an orthophthalic, medium viscosity marble/onyx resin that cures to a very low color, creating a deep translucent onyx.

And our SIL94BA-1575 offers light color, fast curing and less sensitivity to filler changes.

Meeting the requirements of your most demanding applications, with no compromise, is our goal.

Brookfield Viscosity

Resin	RV#2 @ 20 RPM	Gel Time (min:sec)	Gel-to-Peak (min:sec)
SIL94BA-987A	1,400-2,000	8:30-12:30	10:00-15:30
SIL94BA-990	1,500-2,200	7:00-12:00	10:00-15:00
SIL94BA-1575	1,300-1,700	17:30-22:00	12:00-17:00

Solid Surface Resins

Silmar was the first to offer polyester-based acrylic modified (MMA) solid surface resins. And we've constantly pushed forward with innovative new formulas and ideas to keep us at the very forefront of our industry. The results show where they count most – in your products.

Although we have dozens of specially developed resins for solid surface products, we usually recommend one of three SIL93 series resins. That's because of their wide acceptance and proven track record with some of the world's largest solid surface manufacturers. All three are ideal for solid surface applications in residential and commercial applications.

SIL93BE-956 is a premium-grade acrylic modified (MMA), NPG-isophthalic, solid surface resin with ultraviolet (UV) inhibitors. Its moderate cure rate resists cracking in large parts.

SIL93BE-1122B is a premium-grade acrylic modified (MMA), NPG-isophthalic, solid surface resin with ultraviolet (UV) inhibitors. It is designed to cure rapidly for faster part production.

SIL93BE-1586 is a premium-grade acrylic modified (MMA) solid surface resin with improved impact resistance to reduce cracking and help ensure a problem-free installation. This is one of the toughest solid surface resins available.

SOLID SURFACE



Resin	Brookfield Viscosity RV#2 @ 20 RPM	Gel Time (min:sec)	Gel-to-Peak (min:sec)
SIL93BE-956	500-700	13:00-25:00	13:00-17:00
SIL93BE-1122B	500-750	14:00-25:00	8:00-12:30
SIL93BE-1586	500-750	23:00-33:00	13:00-18:00



Granite Effect Resins

These high-performance resins are mixed with granite effect fillers and spray-applied to form decorative coatings on sinks, countertops and wall panels. They resist draining when applied to vertical surfaces.

Silmar granite effect resins are formulated with isophthalic, NPG polymers and acrylic modified (MMA) to withstand water and higher heat, resist scratches and protect against fading and discoloration caused by UV light. These resins produce a solid void-free surface that is resistant to staining.

Resin	Brookfield Viscosity		Gel Time (min:sec)	Gel-to-Peak (min:sec)
	RV#4 @ 20 RPM	RV#4 @ 2 RPM		
SIL93AE-1045	1,700–2,800	11,500–17,500	13:00–20:00	12:00–20:00
SIL93AE-1958A	3,800–5,000	28,000–33,000	7:00–11:00	7:00–11:00
SIL93AE-1958AL	2,800–4,200	18,000–28,000	7:00–11:00	7:00–11:00

Engineered Stone

Interplastic Corporation is an industry leader in resins for engineered stone. Our Silmar resins deliver the strength, durability and beauty that manufacturers of engineered stone depend on.

Engineered Stone Countertops made with Silmar resins can provide safe, nonporous surfaces, which prevent moisture and harmful bacteria from penetrating the surface. Silmar also supplies engineered stone with scratch- and heat-resistant properties. And it ensures the consistent color and look of natural granite.

DESIGN



QUALITY



Marble Casting Resins

As pioneers in marble casting resins, Silmar offers hundreds of top-of-the-line resin solutions for your manufacturing processes.

The industry's most successful and widely used resin is SIL90BA-585. It offers medium viscosity for high filler loading and reduced cost.

SIL90BA-585 is the premier marble resin for all types of molds in bathtub and unilav manufacturing. The versatility and performance record of SIL90BA-585 is legendary.

SIL90BA-1321 delivers a natural matrix color and has good air release. It's designed for general-purpose cast marble applications.

SIL90BA-1247 is a high-viscosity, moderate gel and cure, low color casting resin.

Resin	Brookfield Viscosity RV# Spindle @ 20 RPM	Gel Time (min:sec)	Gel-to-Peak (min:sec)
SIL90BA-585	1,050-1,500	9:30-16:00	10:00-18:00
SIL90BA-1321	1,050-1,500	9:30-16:00	10:00-19:00
SIL90BA-1247	2,200-3,200	14:00-20:00	12:00-18:00

Casting Resins

We offer hundreds of specially designed resins that integrate easily into your production requirements – delivering superior results and meeting current environmental standards.

SIL95BA-40 is a polyester resin specially formulated to produce transparent castings. It cures quickly and evenly at ambient temperatures, for an excellent surface finish with high luster and sparkle. It's an excellent choice for clear castings with artistic embedments.

SIL95BA-41 is perfect for large clear casting applications. This resin has low viscosity, medium gel time, low exotherm, low shrinkage and exceptional clarity.



Clear Casting Art by Louis von Koelnau

Brookfield Viscosity

Resin	RV#2 @ 20 RPM	Gel Time (min:sec)	Gel-to-Peak (min:sec)
SIL95BA-40	400-600	14:00-25:00	20:00-35:00
SIL95BA-41	400-500	20:00-30:00	40:00-55:00



INNOVATION

Making Waves in the Surfboard Industry

The Beach Boys created their unique sound in 1961 – the same year Silmar designed a unique surfboard resin. Just as the Beach Boys rose to the top of the charts, our resin rose to top of the waves in surfboards.

Our SIL66BQ-249A has been the number one selling surfboard resin in the world, with sales volume that exceeds all other resin competitors combined. Product consistency made us the worldwide leader and product innovation will keep us there.

Gel Coats

The SIL08 series of clear gel coats are designed for cultured marble and onyx applications. They use Silmar technology, which has been recognized for many years for exceptional color and clarity – with excellent thermal cycle performance. They meet environmental standards and comply with the Federal MACT monomer standard for clear gel coats. They also features excellent cure properties and resistance to yellowing.



Resin
SIL08LH-70

Brookfield Viscosity
RV#4
@ 4 RPM
9,000-12,000

Gel Time
(min:sec)
5:00-7:00



VISION

We take our products seriously. That means serious consistency – resins and gel coats that perform exactly the same, batch after batch. It means quality – details that go beyond the eye. And it means focus – solely on product performance to meet your specific requirements.

We are a leading supplier of resins and gel coats for cast polymer products and water-white casting systems. We've been perfecting low color resins for filled and clear castings and gel coats for over 45 years. We operate five ISO 9001-2000 certified manufacturing plants and four development laboratories for constant product innovation.

All these are great reasons to choose Silmar. But in the end, your products reflect on you and your business. And that's the very best reason to use Silmar.



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The user should thoroughly test any application before commercialization.