



THE R.J.  
**MARSHALL**  
COMPANY

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# Product Information

Get the

## Spray Granite Advantage (SGA, SGL & SGP)

For Gel Coated or Non Gel Coated Applications

The R.J. Marshall Company's advanced Spray Granite filler system is an economical alternative to solid surface or cultured casting granites. It is designed to be mixed into a clear gel coat and sprayed behind a clear gel coat, or against the mold, as the primary wear surface. Our advanced Spray Granite products are available for cast polymer or fiberglass/glass reinforced plastic (FRP/GRP) applications. They are designed to be sprayed with a clear gel coat at a 60% resin to 40% filler ratio.

### SPRAY GRANITE ADVANTAGES

- § SGA granules are made from the highest quality thermoset NPG/ISO polyester resin and ATH fillers available.
- § The SGA series has the flexibility of being used both in gel coated and non gel coated applications.
- § SGA creates better coverage, density and hiding power.
- § Our wide range of colors will coordinate with endless applications.
- § The SGA creates a hard surface that is acceptable in some solid surface applications.

### STANDARD COLORS AVAILABLE:

SGA 203	Blizzard	*SGL 211	Silver Stone
SGA 205	Cashmere	*SGL 324	El Paso
SGA 210	Pewter	*SGL 338	Dakota
SGA 251	City Grey	*SGL 343	Pecan
SGA 254	Slate	*SGL 352	Oatmeal
SGA 255	Tweed	*SGL 360	Roman Gold
SGA 300	Sandy Beach		
SGA 320	Aggregate		*Spray Granite Advantage Large (SGL), uses granules as large as 10 mesh (see Suggestions for Use).
SGA 323	Aspen		
SGA 325	Biscotti		
SGA 330	Walnut Toffee	**SGP 260	Stone
SGA 335	Riverstone	**SGP 265	Volcano
SGA 340	Mahogany Mist	**SGP 326	Island Sand
SGA 350	Butterscotch	**SGP 327	Coast
SGA 351	Antique	**SGP 328	North Shore
SGA 390	Crushed Almond	**SGP 705	Surf Mist
SGA 420	Obsidian	**SGP 714	Clear Water
SGA 422	Galaxy Black	**SGP 721	Reef Water
SGA 530	Firebrick	**SGP 733	Maui Blue
SGA 560	Merlot	**SGP 735	Blue Surf
SGA 620	Greenwood	**SGP 741	Hawaiian Ocean
SGA 627	Green Leaf	**SGP 760	Deep Water
SGA 630	Winter Pines		
SGA 635	Everglade		**Pool and spa colors. Can be used for other products.
SGA 725	Blue Jeans		
SGA 740	Planetarium		
SGA 750	Lake Michigan		
SGA 800	Peach Freeze		
SGA 806	Harvest		
SGA 810	Cinnamon		

Color brochures and powder samples are available in limited quantities. Additional color options are available as Special Blends. A minimum special blend order of 50# receives an up-charge of \$0.33 per pound. A minimum special blend order of 100# is required to avoid the up-charge. Many are comparative to popular name-brand granite colors. All Special Blends require a 2-week lead-time, are made-to-order and non-returnable. Please contact your R.J. Marshall representative for assistance.

Revised November 17, 2009



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# Suggestions for Use

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## **Spray Granite Advantage Large (SGL)**

The new line of Spray Granite Advantage Large (SGL) incorporates granules as large as 10 mesh to create a more chunky appearance like solid surface and natural granite. It has been developed to build opacity quickly which improves cost efficiency. This material needs to be evaluated for use in your application equipment. Some systems will not handle the larger granules. We suggest that molds be pre-wet with gel coat before spraying these products through dry spray equipment to maximize transfer efficiency and minimize the chance for porosity on the surface of the part.

## **Equipment:**

Spray Granites can be effectively applied with a cup gun and a #9 nozzle (9/32 inch orifice). For larger volume applications, our MarPro equipment offers a dry spray and a volume wet spray system.

**Spray Equipment Plugging** – If the spray equipment plugs, either try a larger orifice or add more gel coat resin to the mix.

## **Filler/Resin Ratio:**

This product should be mixed into a good quality clear gelcoat resin at a ratio of 60% gelcoat resin to 40% filler. It is essential that a gelcoat resin be used to provide the proper thixotropy and ultraviolet light stability. Thixotropy values of 5 or higher will hold granules in place on vertical surfaces. The opacity of the matrix is provided by the granite effect particulate only, so the filler loading should remain as high as possible.

## **Catalyst Levels:**

The catalyst levels used should be determined by recommendations from your gel coat resin or catalyst supplier. If you are using a cup gun to spray the granites you may want to consult your gel coat manufacturer about the minimum catalyst levels to give you additional working time. Do not go below the minimum catalyst level your gel coat manufacturer recommends.



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# Suggestions for Use

## Spray Granite Advantage (SGA, SGL & SGP)

Continued

### Background Color/Color Additives:

The background color of the Spray Granite Advantage is provided by the combination of its colored granule concentrations. Pigmentation can be used to alter it if the granite is to be sprayed behind a gel coat resin. Some care must be taken in pigmenting non-gel coated parts, however, if the surface is going to be sanded after spraying. In these cases, most of the pigmented color will be lost, as a greater granule surface area will be exposed, diminishing the visible pigmented resin which had covered the surface.

### In Casting Applications:

*Overflows* - Spraying under the overflows is particularly difficult. Make sure that extra care is taken to get good coverage in this area.

*Backsplashes* - The granules will stop the backsplashes from closing tightly. Make sure the area where the backslash door fits up against the mold is well taped before spraying granite. Remove the tape and all granules that might stop a snug fit before closing the backslash door.

*Thermal Cycling* - SGA makes certified cast polymer parts. For a superior product, use it behind gel coat with 10% TSE-1000 in the backfill matrix to make a part that surpasses 1000 cycles.

### Marketing:

Spray Granite Advantage offers a variety of standard colors and an excellent opportunity to provide custom colors through pigmentation. The use of dilute translucent pigments will help provide a consistent color matched part. The SGA and SGL material is dry filler therefore it is stable for an extended length of time, allowing minimal inventories while offering a large selection of colors.



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# Technical Information

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## Physical Properties (Typical)

<b>Gel Time</b> (Minutes using Silmar 793C Resin, 2% FS100/9 catalyst	<b>10 - 25</b>
<b>Loose Bulk Density</b> (lbs./ft <sup>3</sup> )	<b>62.43</b>

**Viscosity Note:** Mix viscosity builds over 2 hours and may need to be diluted with additional gel coat/resin.

Revised 11/17/09