

Crystalline

Solid Surface Filler

Get the translucent small chip, concrete or textured quartz look in a solid surface with the new Crystalline series.

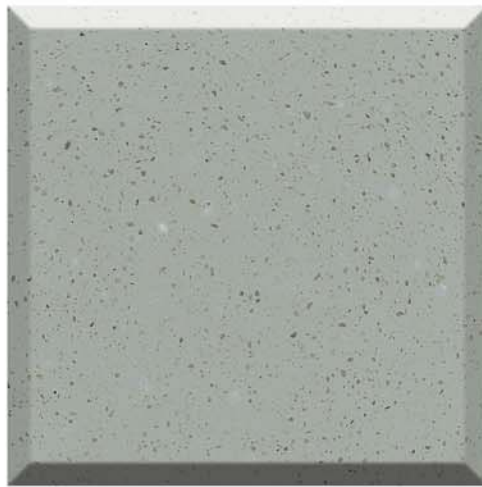


CYL216 Coastal

Crystalline (CYL) series is an easy to cast solid surface filler that provides that monochromatic, translucent small chip, concrete or textured quartz appearance. Crystalline is offered in 4 color choices or choose Crystalline 312 Base and customize the color as desired.



CYL399 Greige



CYL273 Ash



CYL294 Cinder

Crystalline 312 Base

This is the unpigmented base filler used in the Crystalline series. With this option you can create your own custom color by adding the liquid or powder pigment color of your choosing. This allows for one base filler with an unlimited, customizable color pallet that maintains the translucent small chip, concrete or textured quartz appearance of Crystalline.

*(see mixing and customizing)
(color suggestions on the back)*



CYL312 Base

Crystalline Solid Surface Features & Benefits

- ◆ Easy to mix and pour, one bag filler
- ◆ Class A fire retardant possible when mixed at 65-75% filler loading
- ◆ Excellent stain and water resistance
- ◆ Easy to clean
- ◆ Repairable & renewable
- ◆ Nonporous and hygienic

Actual color and granule size will vary.
Final product determination must be based on casting in your process.



THE R.J.
MARSHALL
COMPANY

Crystalline Suggestions For Use For Solid Surface Manufacturing

Customize the Color:

Using the CYL312 Base, you can customize the color by adding about 1.5% to 2% powder or liquid pigment by weight of the filler in the matrix.

Example formula: 65% (650 grams) CYL312
35% (350 grams) Resin

+11.5 grams pigment color of your choice.
(650 grams of CYL312 x 1.75% = about 11.5 grams)

Note: Mix ratios will vary depending on resin viscosity and temperature.

Pigment to your desired opacity; 1.5% to 2% pigment addition is a suggestion.

Customize even more and make the formula your own:

Adjust the base filler formulation to your liking by adding/subtracting translucent and/or color granules. This can be done with the help of RJ Marshall's Custom Color Department. Contact us for more information.

Equipment:

The basic equipment needed for solid surface manufacturing includes a vacuum mixer or continuous casting machine with a densifier, appropriate molds, table sander, and necessary saws and routers. Sanding and finishing the Crystalline series is necessary to expose the translucent chip layer.

Filler / Resin Ratio:

The appearance of the final product may vary in color consistency when different resins are used. We recommend a clear casting or solid surface resin. While percentages may vary, the recommended resin level for most applications is 35% by weight.

Catalyst Levels:

MEKP at a level of 1.5% by resin weight is a good place to start. Differing catalyst levels can change the overall color of the material. The gel time should be between 20 and 30 minutes. If excessive gel times are experienced, a change in catalyst may be necessary.

Vibration:

If vibration is necessary, it should be minimal. Vacuum mixing, creating a matrix with an appropriate viscosity and using proper pouring techniques should eliminate air entrapment in the matrix.

Thermal Cycling:

When poured by standard manufacturing procedures, Crystalline filler will exceed all ICPA certification standards.

Physical Properties:

Meets or exceeds all solid surface standards when properly used.

NOTE: These suggestions are not meant to represent a guarantee. Each manufacturer must evaluate our materials and judge its suitability in their own system. Consistency in all manufacturing procedures including temperature, humidity, resin/catalyst types and levels must be kept constant from batch to batch to ensure continuous product quality.



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