

In Good Shape -

With **SLUMPING-COLORS®** of Friedrich Farblasthütte GmbH



What sets **SLUMPING-COLORS®** colored glass of Friedrich Farblasthütte GmbH apart?

- Constantly high glass quality
- Great effects only with small quantities
- Intensive, luminous colors
- Many types of glass available with an interesting color combination depending on the work and fire settings
- Good fire resistance of the colors; to be checked by the user in individual cases
- Conditional compatibility with the colored glass grains of other suppliers; to be checked by the user
- Excellent compatibility with the overlay grits of our product line **KUGLER-COLORS®**; to be checked by the user
- Very compatible with **KUGLER-COLORS®** Aventurin Braun [Brown] K999 and Blau [Blue] K888; to be checked by the user

Use and effect of the **SLUMPING-COLORS®** colored glass

- Artificial use for collectors' pieces, articles of daily use or decorative objects, in particular
 - Design of unique objects like bowls, plates etc.
 - Interior and exterior installations
 - Thin-walled as well as thick-walled pieces
- **SLUMPING-COLORS®** have a particularly strong effect
 - In combination with opaque and transparent colors: Luminosity of the individual colors becomes clear and the color combination is expressed
 - When using exclusively transparent colors: The coloring supports the form in transmitted or incident light.
Particularly good effects in conjunction with light. The effects can be different for transmitted light or incident light.

Application

- Very suited for the design of unique effects because the tones of the colors can be combined in different ways.
- In transparent or opaque form; different effects can be achieved depending on what you choose
- Easy handling due to already familiar grits sizes
- Good flow characteristics of the colors

Product characteristics of the **SLUMPING-COLORS®** grits and powder

- Approximate grain sizes of the grits and the powder:
 - Powder: < 0,25 mm
 - K-00: 0,25 – 0,5 mm
 - K-0: 0,5 – 1,0 mm
 - K-1: 1,0 – 2,4 mm
 - K-2: 2,4 – 3,8 mm
 - K-3: 3,8 – 5,0 mm
 - K-4: 5,0 – 8,0 mm
 - K-5: 8,0 – 11,5 mm
- Color palette **SLUMPING-COLORS®**: Currently 101 colors, including crystal and black
- Bulk density: Approx. 2.5 to 2.9 t/ m³, depending on color

Typical characteristics values*)

- | | | |
|---|------------------------------|----------|
| • Linear thermal expansion ratio (COE): | 96 ± 2 x 10 ⁻⁷ /K | |
| • Upper cooling point approx.: | > 500 °C | > 932 °F |
| • Lower cooling point approx.: | > 440 °C | > 824 °F |
| • Softening point (Tg) approx.: | 460 °C | > 860 °F |
| • Working temperature approx.: | > 850 °C | >1562 °F |

*) Reference values of the **SLUMPING-COLORS®**; they can serve as points of reference and do not constitute guaranteed product characteristics. In individual cases we recommend checking suitability before the application.



Slumping effects with **SLUMPING-COLORS®** colored glasses

Slumping effect:

- Slumping glasses be colored differently according to working temperature and kiln type and setting; different color combinations are therefore possible.
- Very high-performance in terms of color nuances and variations
- Shiny glass surface can be shown through slow and careful heating of the flame and briefly maintaining this working temperature. Charming color combinations can result depending on the duration and extent of the temperature effect.

Method to achieve the coloring effect:

Using the color nuances through slumping (by adding temperature, here in the slumping process, slumped glass can take on its actual color).

The advantages of **SLUMPING-COLORS®** grits and powder of Friedrich Farblashütte GmbH in overview:

- Very well suited for creating artistic designs and particularly refining bowls, objects and particularly unique items for collectors
- High level of brilliance of transparent colours and high color depth of opaque colors
- Even small quantities of **SLUMPING-COLORS®** achieve major effects.
- Very effective with reflected light and transmitted light
- High colour stability because **SLUMPING-COLORS®** glasses are
 - Homogeneously dyed
 - Light and color-fast, even for extended use, practically no solarisation
- Compatible no burn-out of the colors (to be checked by the user in individual cases)

We recommend tests for applications in cases of doubt.

We are happy to provide you with any advice you require.

For generations Friedrich Farblashütte GmbH has stood for

- Competent consultation
- Quick and competent processing of your requests and orders, also with special requests
- Short delivery time
- High delivery reliability
- Best value for the money

Our team is happy to provide you with additional information on **SLUMPING-COLORS®**.

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