

Product Definition for SPECULAR™

Description

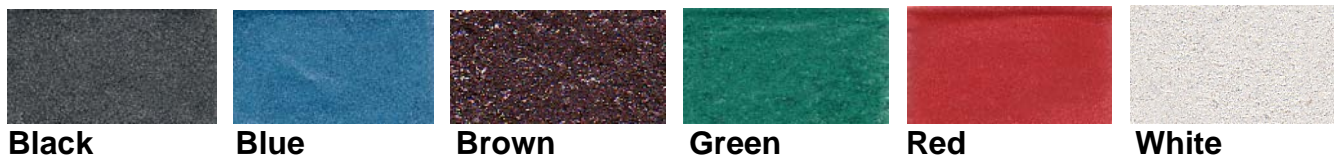
Specular special-effect colorants are color-coated natural mica in a carefully controlled process. The standard colors; black, blue, green, or red are just the beginning. These products can be color matched to satisfy even the most difficult standards. Most grades are FDA-compliant, Ref.: 21 CFR175.300. And 21 CFR 178.3297

Specular products are used where food contact or FDA compliance is required. They are available in the standard range of colors but can also be color matched to your particular requirements.

Specular micas are ideal for many applications, including:

- Cements
 - Paints
- Epoxy/Resins
 - Coatings

Color Range



Typical Properties (Non Specified)

Chemical Analysis

Percentage by Weight

Silicon	as SiO ₂	45 - 50
Aluminum	as Al ₂ O ₃	30 - 35
Potassium	as K ₂ O	9 - 11
Iron	as Fe ₂ O ₃	2 - 5
Sodium	as Na ₂ O	<1
Magnesium	as MgO	1 -2
Titanium	as TiO ₂	<1

Specified Properties -

Specific Gravity	2.6 - 2.8
Tinting Strength	Pass or Fail
Color	Pass or Fail

Specified Particle Size by Sieving

175 Grade

Mesh No.	Cumulative % Retained
+ 60	0 max
+ 120	60 - 100
- 120	40 max

325 Grade

Mesh No.	Cumulative % Retained
+ 50	31
- 50+70	38
- 70+80	14
-80	17

650 Grade

Mesh No.	Cumulative % Retained
+ 20	10 max
+ 50	85 - 100
- 60	5 max

1500 Grade

Mesh No.	Cumulative % Retained
+ 6	10 max
+ 18	15 – 80
- 20	20 max

3000 Grade

Mesh No.	Cumulative % Retained
+ 6	10 max
+ 12	80 - 90
- 20	5 max

5000 Grade

Mesh No.	Cumulative % Retained
+ 6	30 – 50
+ 12	50 – 65
- 20	5 max

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