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Product Data Sheet



ColorGranules™

High Purity Color-coated Quartz

For use in seamless, resin-based flooring systems

For more information, please visit our website at: www.torginol.com

DESCRIPTION

Product Name:

Decorative Flooring Aggregate
 Trade Name: ColorGranules™

Manufacturer:

Torginol, Inc.
 P.O. Box 102
 710 Forest Avenue
 Sheboygan Falls, WI 53085 USA
 (800) 558-7596 toll-free
 (920) 467-2471 telephone
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Torginol ColorGranules™, also known as colored quartz or aggregate, are composed of the finest uniformly shaped and sized quartz granules on Earth. This unique product is brilliantly color-coated with an advanced resin system and high-quality colorfast pigments to provide optimal durability and extreme performance in the most demanding environments. In addition to their superior resilience to harsh chemicals and UV rays, ColorGranules™ can be applied to achieve many different textures to minimize slip and fall injuries.

ColorGranules™ Advantages:

- Superior colorfastness / UV stability
- Extreme abrasion resistance
- Excellent chemical resistance
- Advanced color-coating chemistry
- Optimal grain shape and size uniformity
- Perfect for heavy-duty environments
- Outstanding slip-resistance qualities
- Extraordinary resilience
- Customizable to compliment any décor
- Lab tested resin system compatibility
- Custom color-matching available
- Unlimited custom-blending options
- Fast turnaround times
- Custom packaging & labeling options
- No minimum order quantities
- Over 60 in-stock color-styles
- Competitive pricing
- Extreme sales & marketing support
- Fast & friendly customer service

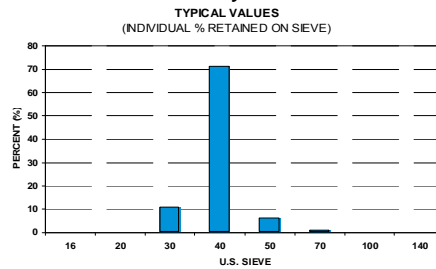
40-S GRADE

40-S Grade:

Grain Size: 40 mesh
 Grain Shape: Spherical
 Typical Application: Broadcast

Size Distribution:

U.S.A. Sieve Analysis ASTM C136-06



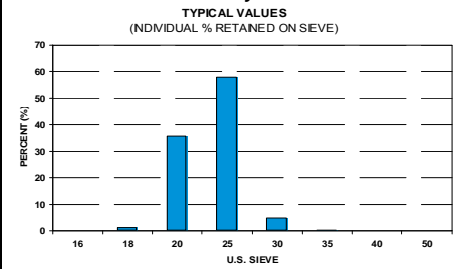
25-A GRADE

25-A Grade:

Grain Size: 25 mesh
 Grain Shape: Angular
 Typical Application: Trowel

Size Distribution:

U.S.A. Sieve Analysis ASTM C136-06



PHYSICAL PROPERTIES

Hardness:

Mohs Scale of Mineral Hardness
 Mohs Hardness 6.5 - 7

Bulk Density:

Aggregate Unit Weight ASTM C29
 lbs/ft³ (packed) 90 - 105

Specific Gravity:

Relative Density ASTM C128-07a
 Value 2.65

Moisture Content:

Evaporable Moisture ASTM C566-97
 Moisture Content < 0.05%

Color:

Color Tolerance ASTM D2244
 Spectrophotometer ΔE < 1.0

Colorfastness / UV Stability:

Xenon Arc Light ASTM G155
 1,000 hours Pass

Weatherability:

Xenon Arc Light ASTM G155
 1,000 hours Pass

Melting Point:

Degrees Fahrenheit 3,100° F

CHEMICAL ANALYSIS, %

Chemical

SiO ₂ (Silicon Dioxide)	99.800
Al ₂ O ₃ (Aluminum Oxide)	0.040
Fe ₂ O ₃ (Iron Oxide)	0.015
TiO ₂ (Titanium Dioxide)	< 0.010
CaO (Calcium Oxide)	< 0.010
MgO (Magnesium Oxide)	< 0.010
Na ₂ O (Sodium Oxide)	< 0.010
K ₂ O (Potassium Oxide)	< 0.010

CHEMICAL RESISTANCE

Liquid immersion for 18 hours in each chemical

Chemical

Aluminum Sulfate [25%]	None
Ammonium Hydroxide [28%]	None
Chlorine Bleach [15%]	None
Chromic Acid [82%]	None
Hydrochloric Acid [100%]	None
Industrial Detergent [50%]	None
Mineral Spirits [100%]	None
Muratic Acid [100%]	None
Nitric Acid [70%]	None
Sodium Carbonate [40%]	None
Sodium Hydroxide [25%]	None
Sulfuric Acid [96%]	None
Tricloro-s-trianzenetrione	None
Trisodium Phosphate [40%]	None
Water [100%]	None
Xylene [100%]	None

IN-STOCK COLOR INDEX

**In-Stock 25-A Grade Colors*

<u>By Item Number</u>	<u>By Color Name</u>
Q1000 (Natural)	Apricot (Q1640)
Q1010 (White)*	Ash (Q1310)*
Q1015 (Eggshell)	Aspen (Q1150)
Q1020 (Black)*	Beige (Q1220)
Q1110 (Blue)*	Black (Q1020)*
Q1115 (Cobalt)*	Blue (Q1110)*
Q1120 (Navy)*	Blush (Q1630)
Q1130 (Slate)*	Bordeaux (Q1650)
Q1140 (Teal)*	Brown (Q1270)*
Q1150 (Aspen)	Buff (Q1280)
Q1160 (Capri)	Butter (Q1215)*
Q1210 (Ivory)	Cappuccino (Q1230)*
Q1215 (Butter)*	Capri (Q1160)
Q1220 (Beige)	Charcoal (Q1340)*
Q1230 (Cappuccino)*	Clover (Q1410)
Q1240 (Tan)*	Cobalt (Q1115)*
Q1250 (Taupe)*	Crimson (Q1620)*
Q1260 (Sienna)*	Eggshell (Q1015)
Q1270 (Brown)*	Flint (Q1350)
Q1280 (Buff)	Ginger (Q1510)*
Q1290 (Toffee)	Gravel (Q1330)*
Q1310 (Ash)*	Ivory (Q1210)
Q1320 (Smoke)	Lemongrass (Q1440)
Q1330 (Gravel)*	Loganberry (Q1820)
Q1340 (Charcoal)*	Mustard (Q1720)*
Q1350 (Flint)	Natural (Q1000)
Q1410 (Clover)	Navy (Q1120)*
Q1420 (Vineyard)	Orange (Q1520)
Q1430 (Rainforest)*	Plum (Q1810)
Q1440 (Lemongrass)	Rainforest (Q1430)*
Q1510 (Ginger)*	Red (Q1610)
Q1520 (Orange)	Sienna (Q1260)*
Q1610 (Red)	Slate (Q1130)*
Q1620 (Crimson)*	Smoke (Q1320)
Q1630 (Blush)	Tan (Q1240)*
Q1640 (Apricot)	Taupe (Q1250)*
Q1650 (Bordeaux)	Teal (Q1140)*
Q1710 (Yellow)	Toffee (Q1290)
Q1720 (Mustard)*	Vineyard (Q1420)
Q1810 (Plum)	White (Q1010)*
Q1820 (Loganberry)	Yellow (Q1710)

By Color



CUSTOM COLORS AVAILABLE



APPLICATION

COVERAGE RATES

Grade Full Coverage / Double Broadcast

40-S ½ - 1 lb. per square foot

25-A 1 - 2 lbs. per square foot

*Coverage rates vary depending on customer preferences and application techniques. Torginol does not guarantee exact coverage rates.

APPLICATION METHODS

- Resinous floor coating systems
- Broadcast systems
- Trowel applied slurry systems
- Screeded slurry systems
- Self-leveling systems

SYSTEM COMPATIBILITY

Lab tested resin system compatibility:

- Epoxies
- Polyurethanes
- Polyureas
- Polyaspartics
- MMA's
- Waterborne resins
- Solvent-based resins
- And others...

*ColorGranules™ have been lab tested for compatibility with most commonly used resinous flooring systems. However, Torginol recommends unknown resin compatibility testing prior to use.

PACKAGING

- Unit Packaging:** 50 lb. bags (22.68 kg)
Multi-wall kraft paper bags
- Full Pallets:** 49 bags
2,450 lbs net weight
2,500 lbs gross weight
48"L x 40"W x 32"H
- Full Truckloads:** 833 bags / 17 pallets
41,650 lbs net weight
42,500 lbs gross weight
- Freight / Shipping:** Class 50



WARNING

This product contains crystalline silica / quartz, which can cause silicosis (an occupational lung disease) and lung cancer. For detailed information on the potential health effects of crystalline silica / quartz, see the Torginol, Inc. - ColorGranules™ Material Safety Data Sheet (MSDS).

DISCLAIMER

The information set forth in this Product Data Sheet represents typical properties of the product described; the information and the typical values are not specifications. Torginol, Inc. makes no representation or warranty concerning the Products, expressed or implied by this Product Data Sheet.

RECOMMENDED USES



Animal Facilities
Apartment Buildings
Auto Dealerships
Balconies
Bars, Pubs & Taverns
Banquet Halls
Break Rooms
Cafeterias



Churches
Clean Rooms
Commercial Kitchens
Control Rooms
Corridors
Countertops
Detention Centers
Dog Kennels
Firehouses



Food Processing Plants
Garages
Greenhouses
Hallways
Hospitals
Hotels
Industrial Facilities



Laboratories
Locker Rooms
Municipalities
Museums
Nursing Homes
Offices
Patios
Pharmaceutical Plants



Pool Decks
Prisons / Jails
Production Floors
Ramps
Recreation Rooms
Restaurants
Restrooms
Retail Stores
Retirement Homes
Salons
Schools



Shower Stalls
Showrooms
Stadiums
Sunrooms
Veterinary Clinics
Walkways
Workshops
Zoos