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Product Data Sheet



ColorFlakes™

Decorative Vinyl Color Chips/Flakes

For use in Seamless, Resin-based Flooring Systems

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

DESCRIPTION

Product Name:

Decorative Vinyl Color Chips/Flakes
 Trade Name: *ColorFlakes™*

Manufacturer:

Torginol, Inc.
 P.O. Box 102
 710 Forest Avenue
 Sheboygan Falls, WI 53085 USA
 (800) 558-7596 toll-free
 (920) 467-2471 telephone
 (920) 467-8674 facsimile
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Torginol ColorFlakes™, also known as color chips, flake or fleck are composed of water-based resin materials, inorganic minerals, additives and various pigments. This unique product is integrally pigmented, brilliantly colored, random in shape, sized within a standardized range and custom blended with infinite options to achieve optimal appearance and texture qualities with a resin-based flooring or wall-coating system.

ColorFlakes™ Advantages:

- Custom design to match any décor
- Over 150 color-styles "in-stock"
- Non-flammable
- Water-based chemistry
- Optimal flexibility & strength
- Colorfast, UV stable pigments
- Forgiving application
- Fast turnaround times
- Custom color-matching available
- Six standard sizing options
- Infinite custom-blending options
- Custom blend-matching expertise
- Lab tested resin compatibility
- Suitable in many environments
- Custom packaging & label options
- No minimum order quantities
- Diligent quality control program
- Hide sub-surface imperfections

CHARACTERISTICS

Color:

Spectrophotometer ASTM E1866
 $\Delta E \leq 1.0$ Pass

Dry Film Thickness:

Micrometer ASTM D1005
 Mils Dry 4 - 5 mils

Shape:

Visual Evaluation
 Random Pass

Odor:

Olfactory Evaluation ASTM D1296
 Odorless Pass

Surface Texture:

Visual Evaluation
 Smooth Pass

Metamerism:

Visual Evaluation ASTM D4086
 Nonmetameric Pass

Sheen:

60° Gloss Meter ASTM D523
 <15 units Pass

Dry Film Flexibility:

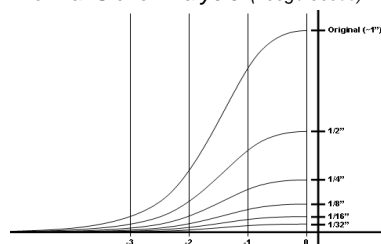
*Mandrel Bend Test ASTM F137**
 Interior Angle $\leq 110^\circ$ Pass

Hiding Power:

Visual Evaluation ASTM D6762
 Opacity > 98% Pass
 (except color C2250)

Size Distribution:

Normal Sieve Analysis (100g / 90sec)



*ASTM procedure modified to accommodate the unique characteristics of ColorFlakes™ material.

SIZING & BLENDING

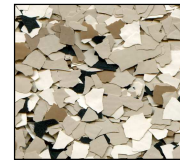
Sizing Options:



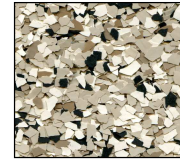
Original (~1")



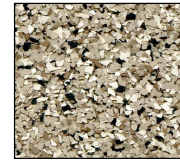
1/2"



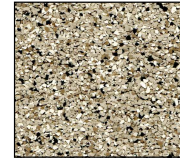
1/4"



1/8"



1/16"



1/32"

Custom Blending:

Use *ColorFlakes™* to coordinate your floors and walls with any décor. Our extensive line of ColorFlakes gives you the ability to custom design blends to match any color-scheme. Either choose from one of our signature blend designs or creatively mix and match colors to develop a unique color array that best fits your project. Call 1-800-558-7596 for more information and to request samples...



ColorFlakes™

Decorative Vinyl Color Chips/Flakes



COLOR INDEX

(Sorted by Item Number)

Standard Colors

C1000 (Adobe Beige)	C7551 (Terra Cotta)
C1020 (Amethyst)	C9800 (Sommelier)
C1040 (Autumn Brown)	C9801 (Dolphin)
C1045 (Beige)	C9805 (Carrot Cake)
C1050 (Black)	C9806 (Flesh)
C1055 (Brick Red)	C9902 (Black Iron Oxide)
C1060 (Brown)	C9903 (Online)
C1070 (Burgundy)	C9904 (Dark Grey)
C1080 (Canyon Red)	C9905 (Heaven)
C1090 (Charcoal)	C9907 (Blue Ox)
C1100 (Cocoa Brown)	C9908 (Canary Yellow)
C1120 (Crest Green)	C9909 (Sugar Cookie)
C1130 (Dark Blue)	C9910 (Buttermilk)
C1140 (Delray Blue)	C9911 (Fossil)
C1160 (Dove Gray)	C9912 (Toast)
C1200 (Dusk Blue)	C9916 (Favre)
C1320 (Fawn)	C9920 (Cherry Bomb)
C1360 (Forest Green)	C9951 (Plum)
C1400 (Gold)	C9952 (Aquamarine)
C1410 (Granite)	C9953 (Honeydew)
C1415 (Graphite)	C9954 (Caramel)
C1420 (Hunter Green)	C9955 (Battleship Gray)
C1425 (Ivory)	C9956 (Khaki)
C1430 (Jasper)	C9957 (Taupe)
C1480 (Medium Gray)	C9958 (Alpaca White)
C1520 (Milkweed)	C9959 (Antique White)
C1560 (Mint Green)	C9960 (Navajo Beige)
C1570 (Mustard)	C9961 (Functional Gray)
C1600 (Olive)	C9962 (Jetstream)
C1640 (Patio Red)	C9963 (Cobalt Blue)
C1680 (Peach)	C9964 (Sky Blue)
C1720 (Powder Blue)	C9965 (Lavender)
C1760 (Rose)	C9966 (Morning Fog)
C1770 (Salmon)	C9967 (Royal Blue)
C1780 (Scone)	C9968 (Steel Blue)
C1785 (Tan)	C9969 (Navy)
C1790 (True Blue)	C9970 (Moss)
C1800 (Whisper Gray)	C9971 (Peppermint)
C1820 (White)	C9972 (Moody Blue)
C2160 (Orange)	C9973 (Coppertone)
C2200 (Primary Yellow)	C9974 (Brilliant Blue)
C2240 (Red)	C9975 (Raisin)
C2250 (Semi-Transparent White)	C9977 (Daiquiri)
C5051 (Afterglow)	C9978 (Tomato)
C5052 (Chocolate)	C9979 (Squash)
C5101 (Seaspray)	C9981 (Potter)
C5102 (Lime)	C9982 (Gravy)
C5103 (Sorbet)	C9983 (Hypnotic)
C5104 (African Violet)	C9984 (Sonic)
C5114 (Ebony)	C9985 (Susie-Q)
C5115 (Putty)	C9986 (Eggshell)
C5116 (Wigwam)	C9987 (Stone)
C5117 (Acorn)	C9988 (Baby Blue)
C5118 (Fireweed)	C9989 (Purple Haze)
C5252 (Cement)	C9990 (Slime)
C5301 (Cornmeal)	C9991 (Gardenview)
C5302 (Cardboard)	C9992 (Cosmo)
C5303 (Cappuccino)	C9993 (Grape)
C5304 (Mud)	C9994 (Sand Dune)
C5305 (Tabu)	C9995 (Berry)
C5306 (Porpoise)	C9996 (Redwood)
C5307 (Camelback)	
C5910 (JD Green)	
C5920 (Cyberspace)	
C5935 (Rustic Red)	
C6601 (Buff)	
C6602 (Latte)	
C6604 (Primary Blue)	
C6606 (Neutral Gray)	
C6607 (Clay)	
C6609 (Burnt Red)	
C6611 (Evergreen)	
C6612 (Creamy Orange)	
C6613 (Sage)	
C6614 (Cream)	
C6615 (Pumpkin)	
C6616 (Lemon Yellow)	
C6617 (Teal)	
C6621 (Stormy Blue)	
C6622 (Sunrise Yellow)	
C6721 (Lipstick Red)	
C6723 (Camo Green)	
C6804 (Gladiola)	

Varicolors

C3000 (V.C. Brown)
C3020 (V.C. Ewa Green)
C3040 (V.C. Kona Beige)
C3080 (V.C. Lanai Gray)
C3100 (V.C. Maui Blue)
C3120 (V.C. Pali Brown)
C3160 (V.C. Rose)

Phosphorescent

Glows-in-the-Dark
C9110 - Blue Glow
C9120 - Green Glow

Fluorescent

Black Light Sensitive
C4000 (Blaze Orange)
C4040 (Chartreuse)
C4080 (Hot Pink)
C4120 (Rocket Red)
C4160 (Signal Green)
C4180 (Horizon Blue)

APPLICATION

Floor Application Coverage Rates

Flake Size	Full	Partial	
Original (~1")	8-10	25-200	ft ² /lb.
1/2"	7-9	25-200	ft ² /lb.
1/4"	5-7	25-200	ft ² /lb.
1/8"	4-6	25-200	ft ² /lb.
1/16"	3-5	25-200	ft ² /lb.
1/32"	2-4	25-200	ft ² /lb.

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

Floor Application Methods

Hand Broadcasting :



Pneumatic Hopper-Blower Gun:



TYPICAL SYSTEM

(approximate dry film thickness: 15 - 30 mils)



- CLEAR TOPCOAT
- COLORFLAKES™
- PIGMENTED BASECOAT
- PRIMER / SEALER
- CONCRETE

For best results, 10-15 mils of clear top-coating is recommended to fully encapsulate ColorFlakes™ and provide a durable wearing surface.

SYSTEM COMPATIBILITY

Lab tested resin chemical compatibility:

- Epoxy
- Polyurethane
- Polyurea
- Various Polymers
- MMA
- Polyaspartic
- And others...

Note:

In 40+ years of manufacturing ColorFlakes™, there are no known resin incompatibilities. However, Torginol recommends unknown resin compatibility testing prior to use.

PRODUCT LIMITATIONS

• ColorFlakes™ are random in shape due to our manufacturing process.

• Although the colorfast pigments in the ColorFlakes™ are UV stable, the specifications for the UV stability and environmental durability of your coating system will determine outdoor suitability.

• Due to inherent product characteristics, a small amount of finer particles will be present within each box.

• Do NOT apply ColorFlakes™ in rain.

STORAGE

Store ColorFlakes™ in an air tight poly-bag in a dry environment at room temp. to avoid moisture, humidity and product degradation.

RECOMMENDED USES



- Aircraft Hangers
- Auto Dealerships
- Banquet Halls
- Bars, Pubs & Taverns
- Basements
- Bathrooms
- Bowling Alleys
- Butcher Shops
- Cafeterias
- Churches
- Clean Rooms
- Commercial Kitchens
- Dog Kennels
- Garage Floors
- Greenhouses
- Grocery Stores
- Hallways
- Hospitals
- Industrial Hallways
- Laboratories
- Laundromats
- Locker Rooms
- Lunch Rooms
- Night Clubs
- Offices
- Pet Stores
- Pharmaceutical Plants
- Public Municipalities
- Restaurants
- Restrooms
- Retail Stores
- Schools
- Show Rooms
- Stadium Hallways
- Zoos
- And more...