

# QUARTZ™



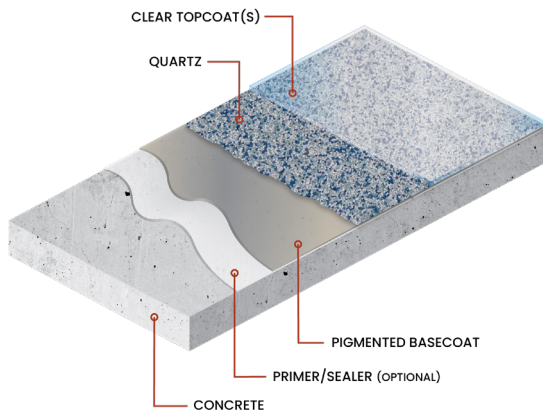
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TORGINOL® QUARTZ, is produced using some of the finest uniformly shaped and sized quartz granules on Earth. This unique product is brilliantly color-coated with an advanced resin system and high-quality colorfast pigments. QUARTZ is exceptionally resilient to harsh chemicals and UV rays, providing optimal durability and performance in the most demanding environments. QUARTZ can be applied to achieve many different textures and minimize slip and fall injuries.

## PHYSICAL PROPERTIES

<b>Hardness</b>	Mohs Scale of Hardness	6.5 - 7
<b>Bulk Density</b>	Aggregate Unit Weight (ASTM C29)	90 - 105 LB / FT <sup>3</sup>
<b>Specific Gravity</b>	Relative Density (ASTM C128-07a)	2.65
<b>Moisture Content</b>	Evaporable Moisture (ASTM C566-97)	< 0.5%
<b>Color (ΔE ≤ 0.5)</b>	Color Tolerance (ASTM D2244)	Pass
<b>Colorfastness / UV Stability</b>	Xenon Arc Light (ASTM G155)	Pass
<b>Weatherability</b>	Xenon Arc Light (ASTM G155)	Pass
<b>Melting Point</b>	Degrees Fahrenheit	3,100 ° F

## TYPICAL QUARTZ SYSTEM



For best results, a clear topcoat is recommended to fully encapsulate QUARTZ and provide a durable wearing surface.

## SYSTEM COMPATIBILITY

Lab tested resin system compatibility:

- Epoxies
- Polyurethanes
- Polyureas
- Polyaspartics
- MMAs
- Waterborne resins
- Solvent-based resins
- And more...

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.

## CHEMICAL ANALYSIS

Chemical	Percent, %
SiO <sub>2</sub> (Silicon Dioxide)	99.800
Al <sub>2</sub> O <sub>3</sub> (Aluminium Oxide)	0.040
Fe <sub>2</sub> O <sub>3</sub> (Iron Oxide)	0.015
TiO <sub>2</sub> (Titanium Dioxide)	< 0.010
CaO (Calcium Oxide)	< 0.010
MgO (Magnesium Oxide)	< 0.010
Na <sub>2</sub> O (Sodium Oxide)	< 0.010
K <sub>2</sub> O (Potassium Oxide)	< 0.010

## CHEMICAL RESISTANCE

*Liquid immersion for 18 hours in each chemical*

Chemical [Concentration %]	Reaction
Aluminum Sulfate [25%]	None
Ammonium Hydroxide [28%]	None
Chlorine Bleach [15%]	None
Hydrochloric Acid [100%]	None
Industrial Detergent [50%]	None
Mineral Spirits [100%]	None
Sodium Carbonate [40%]	None
Tricloro-s-trianzenetrione [10%]	None
Trisodium Phosphate [40%]	None
Water [100%]	None
Xylene [100%]	None

## COVERAGE RATE GUIDELINES

Quartz Grade	Coverage Area
40-S Broadcast Grade	1/2 LB - 1 LB/SF (Double Broadcast)
25-A Trowel Grade	1 LB - 2 LB/SF (1/4" Thickness)

Coverage rates may vary depending on customer preferences and application techniques.

## PACKAGING

<b>Unit Packaging</b>	50 lb bags (22.68 kg) <i>Multi-wall kraft paper bags</i>
<b>Full Pallets</b>	49 bags 2,450 lb net weight 2,500 lb gross weight
<b>Full Truckloads</b>	833 bags / 17 pallets 41,650 lb net weight
<b>Freight / Shipping</b>	Class 50

## SYSTEM ADVANTAGES

- Superior colorfastness / UV stability
- Excellent abrasion and chemical resistance
- Optimal grain shape and size uniformity
- Perfect for heavy duty environments
- Outstanding slip-resistance qualities
- Customizable to complement any décor
- Lab-tested resin system compatibility
- Custom color matching & blending options
- Custom packaging & labeling options
- No minimum order quantities
- Over 60 in stock color styles

## GRADE PROFILE



### 40-S GRADE

<b>Grain Size</b>	40 Mesh
<b>Grain Shape</b>	Spherical
<b>Typical Application</b>	Broadcast



### 25-A GRADE

<b>Grain Size</b>	25 Mesh
<b>Grain Shape</b>	Angular
<b>Typical Application</b>	Trowel

## COLOR INDEX

Q1010 WHITE	Q1015 EGGSHELL	Q1020 BLACK	Q1110 BLUE	Q1115 COBALT	Q1120 NAVY	Q1130 SLATE	Q1140 TEAL	Q1150 ASPEN	Q1160 CAPRI
Q1210 IVORY	Q1215 BUTTER	Q1220 BEIGE	Q1230 CAPPUCCINO	Q1240 TAN	Q1250 TAUPE	Q1260 SIENNA	Q1270 BROWN	Q1280 BUFF	Q1290 TOFFEE
Q1310 ASH	Q1320 SMOKE	Q1330 GRAVEL	Q1340 CHARCOAL	Q1350 FLINT	Q1410 CLOVER	Q1420 VINEYARD	Q1430 RAINFOREST	Q1440 LEMONGRASS	Q1510 GINGER
Q1520 ORANGE	Q1610 RED	Q1620 CRIMSON	Q1630 BLUSH	Q1640 APRICOT	Q1650 BORDEAUX	Q1710 YELLOW	Q1720 MUSTARD	Q1810 PLUM	Q1820 LOGANBERRY
Q1000 NATURAL	Q3010 SILVER	Q3040 COPPER							

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® QUARTZ - Safety Data Sheet.