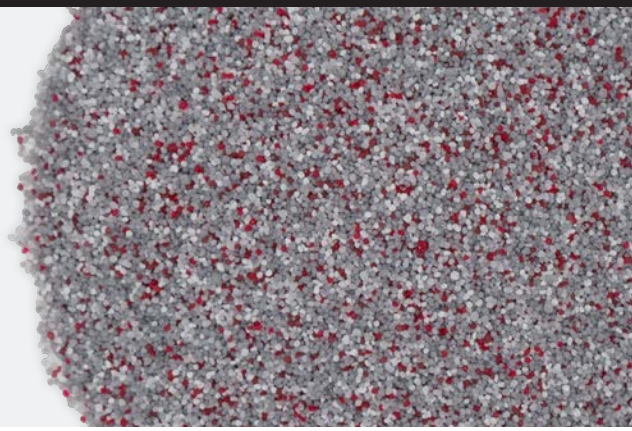
May 2024

TECHNICAL DATA SHEET

RESIN QUARTZ™

TORGINOL



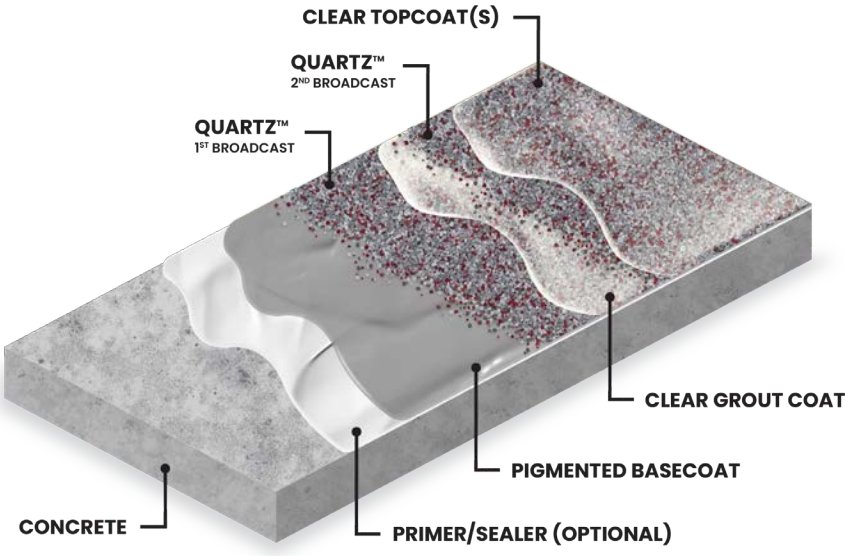
DESCRIPTION

TORGINOL® RESIN QUARTZ™ is produced using some of the fines 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. The RESIN QUARTZ™ coating technology is exceptionally resilient to harsh chemicals and UV rays, providing optimal durability and performance to the most demanding environments.

RESIN QUARTZ™ can be applied to achieve optimal surface textures and minimize the risk of slip and fall injuries.

TYPICAL QUARTZ SYSTEM

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



FEATURES & BENEFITS

- QUARTZ™ enhances function & resilience
- Advanced resin system for superior performance
- Excellent abrasion & chemical resistance
- UV tested lightfastness
- Optimal for demanding heavy duty environments
- Outstanding slip-resistance qualities
- Custom blends & color designs
- Sample matching expertise
- Over 60 color-styles in-stock
- Two grades for broadcast & trowel applications
- Optimal grain shape & size uniformity
- Lab-tested coating system compatibility
- No minimum order quantities
- Custom packaging & labeling options
- Cost effective performance flooring solution

ENHANCING EVERYDAY SPACES ™

Torginol, Inc.
4617 S Taylor Drive
Sheboygan, WI 53081 | USA
(920) 694-4800 | 1-800-558-7596
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GRADE PROFILE

40-S GRADE
Broadcast Grade | *Spherical*

25-A GRADE
Trowel Grade | *Angular*

SOLID COLORS

Conch Q1013	**Eggshell** Q1015	**Ivory** Q1210	**Butter** Q1215	**Buff** Q1280	**Biege** Q1220	**Tan** Q1240	**Cappuccino** Q1230	**Greige** Q1235
Taupe Q1250	**Toffee** Q1290	**Sienna** Q1260	**Brown** Q1270	**Blush** Q1630	**Apricot** Q1640	**Red** Q1610	**Crimson** Q1620	**Bordeaux** Q1650
Yellow Q1710	**Mustard** Q1720	**Orange** Q1520	**Ginger** Q1510	**Terracotta** Q5001	**Cascade** Q5006	**Aspen** Q1150	**Slate** Q1130	**Capri** Q1160
Teal Q1140	**Clover** Q1410	**Lemongrass** Q1440	**Vineyard** Q1420	**Rainforest** Q1430	**Cobalt** Q1115	**Blue** Q1110	**Navy** Q1120	**Plum** Q1810
Loganberry Q1820	**White** Q1010	**Ash** Q1310	**Smoke** Q1320	**Pewter** Q5010	**Gravel** Q1330	**Charcoal** Q1340	**Flint** Q1350	**Black** Q1020

SPECIALTY

Silver Metallic Q3010	**Copper Metallic** Q3040	**Conductive Black** Q9300 - 30S

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PERFORMANCE SPECIFICATIONS

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

COATING SYSTEM COMPATIBILITY

Lab-tested resin system compatibility (Pass/Fail)

Epoxies	Pass
Methyl Methacrylates (MMA)	Pass
Polyaspartics	Pass
Polyureas	Pass
Polyurethanes	Pass

Compatible with 100% Solids, Solvent-based & Waterborne Systems

DISCLAIMER: Unknown resin compatibility testing recommended prior to use.

PACKAGING

	Net Weight	Gross Weight
Unit Packaging *Multi-wall kraft paper bags*	50 LB (22.68 KG)	51 LB (23.13 KG)
Full Pallets *49 Bags (7 Layers x 7 Bags Per)*	2,450 LB (1,111.3 KG)	2,549 LB (1,156.21 KG)
Full Truckload *17 Pallets (833 Bags)*	41,650 LB (18,892.12 KG)	43,333 LB (19,655.52 KG)

FREIGHT SHIPPING CLASSIFICATION

Domestic NMFC Classification Code:	90220, Class 50
International Harmonized Tariff Code:	2506.10.00.50

COVERAGE RATE GUIDELINES

Pounds Per Square Foot

Quartz Grade	**Coverage Area** LB/SF
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 rate guidelines are approximations and representative in nature. Exact coverage rates will vary based on application techniques, system specifications and customer preferences.

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

CHEMICAL ANALYSIS

Chemical	**Percent, %**
SiO_2 (Silicon Dioxide)	99.800
Al_2O_3 (Aluminium Oxide)	0.040
Fe_2O_3 (Iron Oxide)	0.015
TiO_2 (Titanium Dioxide)	< 0.010
CaO (Calcium Oxide)	< 0.010
MgO (Magnesium Oxide)	< 0.010
Na_2O (Sodium Oxide)	< 0.010
K_2O (Potassium Oxide)	< 0.010

APPLICATIONS

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

V24020001

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