



# TECHNICAL DATA SHEET

# TORGINOL®

## DESCRIPTION

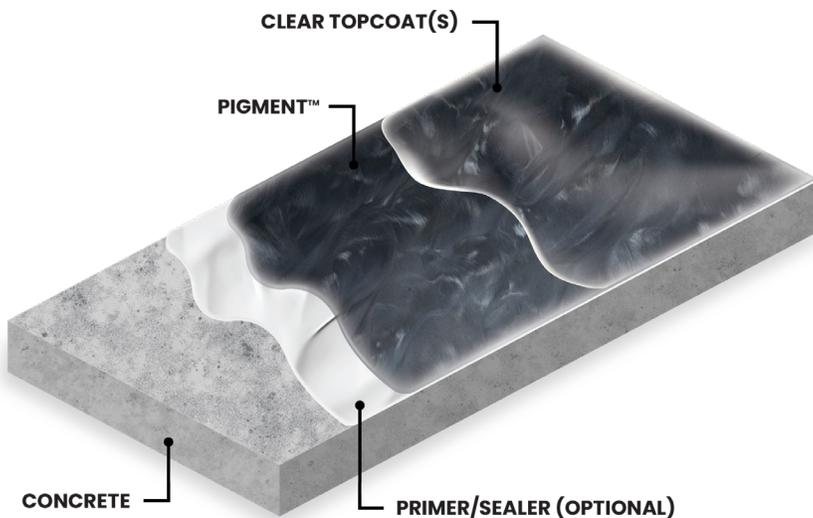
TORGINOL® PEARLESCENT PIGMENT™ is special effect pigment composed of mica nanoparticles coated with organic and inorganic pigments to create pearlescent, iridescent, and translucent finishes that mimic the natural look of stone and rock formations.

These unique pigments are designed to be field-blended with a clear, high solids resinous floor coating, creating a pearlescent finish with dramatic color effect through light interference and light absorption.



## TYPICAL PIGMENT SYSTEM

For best results, a clear topcoat is recommended to fully seal the PIGMENT™ and provide a durable wearing surface.



## FEATURES & BENEFITS

- ✓ Sophisticated special effect pigments
- ✓ Smooth nanoparticle surface reflects light
- ✓ Sleek & vibrant metallic luster optics
- ✓ Mimic multi-dimensional rocklike formations
- ✓ Pair colors to create original artistic designs
- ✓ Easily dispersible pigment nanoparticles
- ✓ Unique handcrafted installation techniques
- ✓ Over 40 color-styles in-stock
- ✓ Pearlescent and color-shift effects
- ✓ Available in four standard unit sizes
- ✓ Custom packaging & labeling options
- ✓ Cost effective luxury flooring solution
- ✓ No minimum order quantities

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

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SPACES™**

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## APPLICATION TECHNIQUES

### SOLID COLOR



### PIGMENT PAIRINGS



## APPLICATION INSTRUCTIONS

TORGINOL® recommends consulting your floor coating system manufacturer regarding specific instructions, coating recommendations, and application methods. Application instructions are designed to be general guidelines that vary depending on the specific coatings you choose.

### STEP 1: PIGMENT™ Preparation

In order to avoid unwanted streaking or comet trail effects, PIGMENT™ should be pre-mixed into the resin component of your 100% solids epoxy coating system 24 hours prior to application, using proper mixing procedures to avoid adding air into the coating while mixing. After mixing is complete, let the mixture rest for at least 24 hours to allow the small pigment agglomerations to properly disperse in the resin.

### STEP 2: PEARLESCENT PIGMENT™ Coat

After the primer/basecoat is fully cured, the PEARLESCENT PIGMENT™ coating can be applied. The PIGMENT™ packages are designed to be added to either 1, 2, 3 or 4 gallons of 100% solids epoxy coating, depending on the kit size. Recommended application rate is 50-75 square feet per gallon (25+ Mils). This thickness will ensure the PIGMENT™ evenly coats the desired surface. Once the epoxy is applied, the pigments begin to shift and create the desired pearlescent patina effect.

### STEP 3: Clear Topcoat

For enhanced durability, smooth texture, and a semi-gloss or matte finish, the dried PIGMENT™ coating surface can be lightly screened or sanded and a clear topcoat may be applied.

## COLOR PALETTE



## COLOR-SHIFT



## SPARKLE ADDITIVE



## PERFORMANCE SPECIFICATIONS

|  |  |           |
|--|--|-----------|
| <b>Color (<math>\Delta E &lt; 1.0</math>)</b>          | Multi-Angle Spectrophotometer (ASTM E1866) | Pass      |
| <b>Particle Size (10–100 <math>\mu\text{m}</math>)</b> | Particle Size Distribution (ASTM D8090)    | Pass      |
| <b>Odor</b>  | Olfactory (ASTM D1296)                     | Odorless  |
| <b>Toxicity</b>  | Acute Toxicity (ASTM E729)                 | Non-toxic |
| <b>Lightfastness</b>                                   | Xenon Arc Light (ASTM G155)                | Pass      |
| <b>Titanium Dioxide</b>                                | Base Pigmentation Type                     | Rutile    |

## COATING SYSTEM COMPATIBILITY

Lab-tested resin system compatibility (Pass/Fail)

|                                   |      |
|-----------------------------------|------|
| <b>Epoxies</b>                    | Pass |
| <b>Methyl Methacrylates (MMA)</b> | Pass |
| <b>Polyaspartics</b>              | Pass |
| <b>Polyureas</b>                  | Pass |
| <b>Polyurethanes</b>              | Pass |

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

**DISCLAIMER:** Unknown resin compatibility testing recommended prior to use.

## COVERAGE RATE GUIDELINES

| Unit Packaging | Net Weight | Mixed Coating | Coverage Area             |
|----------------|------------|---------------|---------------------------|
| 4oz            | 45g        | 1 gallon      | 50 – 75 ft <sup>2</sup>   |
| 8oz            | 90g        | 2 gallon      | 100 – 150 ft <sup>2</sup> |
| 12oz           | 135g       | 3 gallon      | 175 – 225 ft <sup>2</sup> |
| 16oz           | 180g       | 4 gallon      | 250 – 300 ft <sup>2</sup> |

## FREIGHT SHIPPING CLASSIFICATION

|  |                  |
|--|------------------|
| <b>Domestic NMFC Classification Code:</b>    | 149980, Class 60 |
| <b>International Harmonized Tariff Code:</b> | 3206.11.1000     |

## STORAGE

PIGMENT™ should be stored in an air tight plastic jars in a dry environment at room temperature to avoid moisture, humidity, and product damage.

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