



# TK-2424 SILICONIZED DECORATIVE STAIN

## Technical Data

Division of Sierra Corporation  
ISO 9001:2000 Certified

### 1. PRODUCT NAME:

TK-2424 SILICONIZED DECORATIVE STAIN

### 2. MANUFACTURER

TK PRODUCTS  
DIVISION OF SIERRA CORPORATION  
11400 West 47th Street  
Minnetonka, MN 55343  
952-938-7223  
952-938-8084 (FAX)  
E-mail: [tksales@tkproduct.com](mailto:tksales@tkproduct.com)  
Website: <http://www.tkproduct.com>

### 3. PRODUCT DESCRIPTION:

TK-2424 SILICONIZED DECORATIVE STAIN is a low viscosity, semi-opaque, siliconized acrylic emulsion specially designed for decorative staining where a natural stone look is desired, or to help disguise blemishes or non-uniform concrete colors. TK-2424 SILICONIZED DECORATIVE STAIN has a matte sheen that simulates natural stone. Its 100% siliconized modified acrylic resins and inorganic pigments allow color uniformity and retention to be greatly extended. TK-2424 SILICONIZED DECORATIVE STAIN forms a breathable film that allows trapped moisture vapor to safely migrate through the coating without blistering or peeling, while also providing maximum hardness and traffic abrasion resistance.

TK-2424 SILICONIZED DECORATIVE STAIN can be used on either new or existing concrete surfaces, interior or exterior. TK-2424 SILICONIZED DECORATIVE STAIN works well on fresh/green exterior concrete that requires decorative staining, or on interior applications where solvent systems are difficult to use. TK-2424 SILICONIZED DECORATIVE STAIN can be used on a variety of additional substrates and projects, including: concrete stone work, bush-hammered concrete, precast panels, stucco, brick, block, stone, patios, walkways, basement floors, heavy highway or bridge structures, parking garages, industrial, commercial,

and residential construction, or on any properly prepared above-grade surface.

Due to the odor-free and V.O.C. compliant nature of TK-2424 SILICONIZED DECORATIVE STAIN, it may also be safely used for any interior surfaces (any type substrate should be properly prepared before application of this product, please see Section 5 for application procedures).

### 4. TECHNICAL DATA:

TK-2424 SILICONIZED DECORATIVE STAIN is formulated from extremely hard yet pliable, 100% siliconized acrylic resin suspended in an aqueous emulsion. To ensure long term color stability, only inorganic oxide tinting pigments are used.

### PHYSICAL PROPERTIES

% Non-volatile by Volume:	30
Weight per Gallon:	10.32
Viscosity:	64-66
Initial Gloss:	13%
Dry Film Thickness:	1.0-1.5 mils
Coverage Rate:	300-400 ft <sup>2</sup> /gal
Flash Point:	None
Reduction:	None, ready to use
Dry Time:	
To Touch	30-45 minutes
Recoat/Lt. Traffic	2 hours
Full Cure	24-48 hours
Clean Up:	Immediately with warm soapy water

- V.O.C. Compliant
- V.O.C. Content < 250 g/l

**-A.I.M. Category:** Stains - Opaque  
**-A.I.M. Definition:** A coating that produces a dry film with minimal coloring. This includes lacquer stains.

**Related Definitions:** *Opaque:* Not allowing light to pass through, so that the substrate is concealed from view.

TK-2424 SILICONIZED DECORATIVE STAIN'S polymers have been tested in accordance with:

	Test Method	Results
Water Vapor Transmission	ASTM 96	9.75 grams/meter 2/2hr.
Fungus Resistance	Federal 141627-1	No fungus at 21 days
Freeze/Thaw Cycles	ASTM C666-84	340 Cycles No Changes

### 5. APPLICATION PROCEDURES AND INSTRUCTIONS

Stir for 5 to 10 minutes using a low-speed agitation mixer. When multiple containers are going to be used, blend together as needed to insure uniform color throughout the job.

In general, only one coat is required. However, due to the various substrates and application procedures, multiple coats may be necessary.

TK-2424 SILICONIZED DECORATIVE STAIN is to be applied as a stain, not as a heavy paint-like coating. Typical coverage rates are between 300-400ft<sup>2</sup>/gallon. All foreign matter; waxes, mildew and previous loose coatings must be removed before applying.

Suggested methods of surface preparation are: power washing using a minimum of 3000 PSI or greater, or sandblasting. A simple field test to qualify the surface after preparation should be performed.

Generally a surface that will readily accept TK-2424 SILICONIZED DECORATIVE STAIN will also absorb water at a rapid rate without resistance, and will show no water droplet appearance. The surface should immediately turn dark.

A test area of 150 SF should be prepared; apply the product to the

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prepared surface verifying surface qualification, adhesion and color approval.

Upon an acceptable sampling and approval from the project engineer, the project can at that time be completed.

TK-2424 SILICONIZED DECORATIVE STAIN can be applied using a brush, roller, sponge or sprayer. If an airless sprayer it to be used, it should have a tip size of .015 – .018 with a 40 to 60 degree fan. If rolling, use care not to load any excessive material on the surface. The rolled surface should result in a thin even coat.

Avoid application in direct sunlight or during extremely hot or windy conditions. TK-2424 SILICONIZED DECORATIVE STAIN should only be applied to dry, sound, frost free surfaces. The air temperature should be consistently above 40° F with no chance of frost, rain or fog for a period of 48 hours prior to and following application.

#### **6. AVAILABILITY**

TK-2424 SILICONIZED DECORATIVE STAIN is packaged in 5-gallon and 1-gallon containers. Custom colors are available upon request. Please submit color standards for pricing. Contact TK Products for the nearest distributor.

#### **7. CONDITIONS OF SALE/ LIMITED WARRANTY**

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**AND CONSEQUENTIAL DAMAGES ARE SPECIFICALLY EXCLUDED. TK Products does not authorize any person to assume for it any other liability in connection with the sale or use of its products unless specifically authorized by TK Products in writing.**

#### **8. TECHNICAL SERVICES**

The TK office offers assistance with specifications, performance test data and field services.

#### **9. FILING SYSTEMS**

Information Handling Services  
PO Box 1213  
Englewood, CO 80150  
Information Marketing Services  
13271 Northend  
Oak Park, MI 48237

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**06/09**