



Division of Sierra Corporation
ISO 9001:2008 Certified

TK-2167 GAS RESISTANT SEALER

Meets Federal EPA's VOC Requirements

Technical Data

1. PRODUCT NAME

TK-2167 GAS RESISTANT SEALER

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
Website: <http://www.tkproduct.com>

3. PRODUCT DESCRIPTION

TK-2167 GAS RESISTANT SEALER is a blend of 100% high molecular weight acrylate polymers used as a specialized superior concrete sealer. It dries to a durable, high gloss finish that protects and beautifies floors and walls. TK-2167 GAS RESISTANT SEALER provides protection from oil, grease and gasoline as well as excellent resistance to weathering. It is the perfect sealer for industrial floors, fire stations, garages, driveways and all decorative concrete surfaces. TK-2167 GAS RESISTANT SEALER can be used as a final sealer on architectural concrete, burnish block, terrazzo, brick, paving brick, stone, slate, quarry tile, or any concrete surface where yellowing or discoloration cannot be tolerated. The coating is clear and does not yellow with age or exposure to ultraviolet rays.

When compared to other curing and sealing compounds, TK-GAS RESISTANT SEALER provides increased protection for freeze-thaw cycles, deicing salts, gasoline, oil, grease, most acids, alkali, fat, food, beverages and other chemical erosion.

On building walls, stains from airborne pollutants such as soot, dirt and bird droppings wash away with water. TK-2167 is compatible with most paints and carpet/tile adhesives.

On Exposed Aggregate:

TK-2167 GAS RESISTANT SEALER intensifies the color and highlights the exposed aggregate and terrazzo which adds sparkle to the finished product. In addition, on burnish block, architectural concrete, brick, stone, slate and quarry

tile, the natural colors of the material are preserved and protected, thereby increasing the aesthetic value and longevity of the finished project.

On Existing Concrete:

TK-2167 penetrates into the surface, binding together the small dusting particles and filling the voids to produce a hard, dust-free, brighter surface. The sealer provides protection from the elements as well as from exposure to commonplace contaminants. Wear patterns in heavy traffic areas are easily recoated. TK-2167 GAS RESISTANT SEALER facilitates the removal of gas, oil and rust stains on driveway and garage floors.

Colored Decorative Concrete:

TK-2167 GAS RESISTANT SEALER intensifies the color. The final coat needs to be applied when the colored concrete has cured fully (the concrete should look uniform in color) and dry at the time of application. This eliminates the possibility of moisture becoming trapped between the film and the concrete slab, causing a white haze to develop.

On Paving Block, Patio Stone, and Exposed Aggregate:

Care should be taken to avoid the above mentioned entrapment of moisture because in attempting to escape, the moisture underneath the sealer can cause the same white haze to develop. If this happens, a second application of TK-2167 GAS RESISTANT SEALER will emulsify the film and allow the moisture to escape and reharder clear. CAUTION: THIS FILM IN NOT EASILY EMULSIFIED - EMULSIFICATION WILL REQUIRE A LARGE AMOUNT OF WORK AND TIME. Cool, dry and overcast days are the best for application as the solvent in these conditions has time to re-emulsify the existing film before evaporating.

4. TECHNICAL DATA

Composition and Materials:

TK-2167 GAS RESISTANT SEALER is a blend of 100% high molecular weight acrylate polymers in a fast drying aromatic solvent. No fillers are used and no oils, waxes or saponifiable resins are

contained in the mixture. This product is manufactured with the finest quality raw materials available and close quality control is practiced.

Solids Content:	20%
Flash Point:	76°F
Drying Time*:	1 hour tack free 2 hours open to traffic

*Cooler temperatures will require more time for drying.

TK-2167 GAS RESISTANT SEALER is resistant to moderate gas exposure.

Gasoline Resistance Test

(15 minute exposure)

15 minutes at 180°F: OK

15 minutes at 300°F: OK

Applicable Standards:

-TK-2167 GAS RESISTANT SEALER meets all the requirements of ASTM C 1315 Type 1, Class A,B, and C except solids content.

-AASHTO Des. M-148-82

-Fed. Spec. TT-C-0800

-ASTM C-309

-DE CRD - C-300

-Resilient Tile Institute Specification: to be compatible with most resilient tile and carpet adhesives, and most paints.

-Authorized for use by the USDA

-A.I.M. Category: Waterproofing Sealer and Treatment - maximum VOC 600 g/l.

-A.I.M. Definition: A coating formulated and recommended for application to a porous substrate for the primary purpose of preventing the penetration of water. Exceedance fee is required.

5. APPLICATION PROCEDURES AND INSTRUCTIONS

TK-2167 GAS RESISTANT SEALER is ready for use and requires no mixing or dilution. It is unlawful to further reduce with non-exempt solvents.

Existing Concrete:

Surface must be clean, dry, free from oil, grease, dust, dirt, efflorescence,

TK-2167 GAS RESISTANT SEALER
Concrete Sealing Compound

3
TK PRODUCTS



TK
PRODUCTS
3

TK-2167 GAS RESISTANT SEALER
Concrete Sealing Compound

and laitence. Power washing is recommended followed by overnight dry.

Steel troweled surfaces should be acid etched or shot blasted to promote better adhesion.

The compound is sprayable with a low pressure (30-40 lbs.) sprayer, or can be applied with a roller or long nap applicator for rougher or uneven substrates. Work the compound into the concrete to avoid accumulations, runs, sags or puddles. On large areas, an airless sprayer may be used; avoid puddling in these instances. If the sprayer is not applying the material uniformly, back roll behind the sprayer to even it out.

Coverage:

Two coats are recommended; allow the first coat to dry before the application of the second coat.

300 - 500 ft²/gallon. Coverage rates may vary due to porosity, surface texture, finishing techniques, etc.

A second coat is required when a compatible cure and seal is present on the surface. This allows TK-2167 to provide the gas and oil resistance it is designed to perform.

Clean Up:

Clean tools and spills with TK-00 and run through equipment to remove and residue which may clog the sprayer.

Limitations:

Apply in temperatures above 40°F. Not for use on asphalt, surfaces subject to hydrostatic water pressure, or as a water proofer on below grade surfaces. Sprayers must be equipped with neoprene or other compatible fittings; the solvent can disintegrate rubber fittings. Material will not freeze and can be stored outside in cold weather; however it must be allowed to warm to approximately 50°F before using.

Note 1:

Concrete containing calcium chloride will remain dark longer when sealed. Extenders and additives (concrete admixes, fly ash) are now being added to some ready mixed concrete which can cause inconsistencies in the porosity of the concrete. Some areas of the finished surface may then appear darker than others. To compensate for these variations, coverage ratios should be adjusted.

Note 2:

Previously sealed concrete may require two coats of TK-2167 to achieve maximum gasoline resistance.

Precautions:

TK-2167 GAS RESISTANT SEALER contains aromatic hydrocarbon. Keep

away from heat and flame. Prevent build-up of vapors by opening windows and doors to achieve cross ventilation. Use only with adequate ventilation. Do not inhale vapors or spray mists. Ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application. Follow respirator manufacturer's directions for respirator use. Close container after each use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. KEEP OUT OF REACH OF CHILDREN. **Interior Use:** Do not allow fumes to penetrate into foodstuffs. Remove animals from quarters until all fumes have dissipated. Turn off all pilot lights. TK-2167 GAS RESISTANT SEALER is non-toxic in its cured state.

First Aid:

If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately. For skin, wash thoroughly with soap and water. If swallowed, do not induce vomiting. Call a physician immediately.

In Case of Fire:

Use foam, CO₂, dry chemical. Do not use water spray.

Spills or Leaks:

Eliminate all sources of ignition. If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

For safety control, Material Safety Data Sheets are available from TK distributors and the TK office. This information should be read in its entirety before using the product.

6. AVAILABILITY

TK-2167 GAS RESISTANT SEALER is available through TK distributors. Contact TK Products for your nearest distributor.

Packaged in 55-gallon drums, 5-gallon pails and 1-gallon cans.

Maintenance:

Minimal maintenance is required other than normal sweeping, dusting or mopping. If wear patterns do occur or if spillage removes the coating, TK-2167 GAS RESISTANT SEALER can be reapplied to the affected areas.

7. CONDITIONS OF SALE/ LIMITED WARRANTY

TK Products, division of the Sierra Corporation, warrants that its products conform to the label descriptions, are free from manufacturing defects, and are fit for the ordinary purposes for which such goods are used. Inasmuch as the use of TK Products' product by others and other factors affecting product performance are beyond TK Products' control, TK Products does not guarantee the results to be obtained. There are no warranties except as stated herein, either express or implied, including implied warranties of merchantability or fitness for a particular purpose. **SHOULD ANY TK PRODUCTS' PRODUCT FAIL TO GIVE SATISFACTORY RESULTS, TK PRODUCTS WILL REPLACE THE PRODUCT, OR AT ITS OPTION, REFUND THE PURCHASE PRICE. THIS IS THE SOLE AND EXCLUSIVE REMEDY FOR ANY FAILURE OF TK PRODUCTS' PRODUCTS TO PERFORM AS WARRANTED AND SHALL ALSO CONSTITUTE LIQUIDATED DAMAGES IN CASE OF LOSS. UNDER NO CIRCUMSTANCES SHALL THE BUYER BE ENTITLED TO ANY OTHER REMEDY OR DAMAGES. REMEDIES FOR INCIDENTAL 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

TK DISCLAIMER:

Every effort has been made to ensure the accuracy of the above information and to avoid infringement of any patent or copyright. The information is based on field tests by government and private agencies, as well as lab tests, and on technical data from raw material manufacturers. The person(s) specifying or requesting the use of these products is responsible for assuring their suitability for a specific use, as well as the proper application of the products. Where there is any question as to the suitability of a particular product, a small test patch is recommended. See also CONDITIONS OF SALE/ LIMITED WARRANTY (Section 7) above.

FOR INDUSTRIAL USE ONLY