

G-Shield™ 74 Bright

Ready-to-use, clear, ultra-thin anti-graffiti / dirt shedding coating

Product code: 226634



Product and Test Information

MANUFACTURER

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A Clariant Business

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FEATURES

- Economical
- Non-sacrificial
- Non-damaging
- Excellent weatherability
- High UV resistance
- Low VOC
- Low surface energy
- Advanced chemical resistance
- Oxidation and corrosion resistant
- Outstanding durability
- Non-flammable (when cured)
- Ambient temperature curing
- Easy application methods
- Easy-to-clean

FINISH

G-Shield™ 74 Bright is a high gloss finish that is recommended for exterior and interior coatings, or when a more reflective and shiny finish is desired.

G-Shield™ 74 Bright is recommended for glass surfaces.

PRODUCT DESCRIPTION

G-Shield™ 74 Bright is a clear, ready-to-use, innovative surface coating able to resist graffiti and dirt. Using a patented polysilazane technology, **G-Shield™ 74 Bright** creates a permanent barrier by chemically binding to the substrate, which provides for easy removal of materials such as permanent marker, inks, paints, road tar, tree sap, dirt, grease, and other stains. The protected material can be cleaned numerous times without reapplication.

G-Shield™ 74 Bright is resistant to alcohol- and ketone- based solvents, organic solvents, acids, bases and brake fluid.

G-Shield™ 74 Bright is applied as one component coating. No mixing with another material is required. Only a thin film of

G-Shield™ 74 Bright is needed to provide superior protection. Curing is accomplished at room temperature.

PRODUCT APPLICATIONS

G-Shield™ 74 Bright provides excellent protection from graffiti on ferrous, non-ferrous and galvanized metals, glass, painted and powder-coated surfaces and synthetic materials.

G-Shield™ 74 Bright will not alter the normal appearance of the substrate.

Suggested applications include: transportation (trains, trucks, buses and ships), transport containers, signage, public facilities, bridges and building facades.

PACKAGING

G-Shield™ 74 Bright is available in 1 and 5 gallon pails and in 50 gallon drums.

COVERAGE

G-Shield™ 74 Bright covers approximately 2,000 ft²/gallon when applied to hard, non-porous substrates such as steel, aluminum or glass. Coverage may be less on textured surfaces.

TECHNICAL DATA

Appearance:	Clear and colorless
Solids by weight:	31.3%
Flash point:	7 °C (45 °F)
Density:	0.86 g/mL (7.18 lbs/gal)
VOC content:	0.73 g/L (0.006 lb/gal)
Drying times:	To touch 1 hour
(20-25°C)	To full cure 7 days
Adhesion:	75% (ASTM D3359)

APPLICATION

All surfaces must be cleaned with all traces of existing graffiti, dirt, dust and other loose material removed prior to the application of **G-Shield™ 74 Bright**.

All surfaces must be dry prior to the application of **G-Shield™ 74 Bright**. Before applying **G-Shield™ 74 Bright** to a large surface, apply a test patch to confirm adhesion and compatibility.

Apply **G-Shield™ 74 Bright** using a spray gun or wipe-on with a microfiber cloth. For best results, use only a thin application. Dilution of the product and re-coating are not necessary.

G-Shield™ 74 Bright is dry-to-touch after 1 hour. Full performance is achieved after 7 days cure at room temperature. Faster curing for full performance can be achieved by drying at room temperature for 1 hour followed by curing for 1-2 hours at 130°C (266°F).

Proper clean-up is essential. Clean tools immediately after use with acetone or mineral spirits followed by soapy water. Cured material cannot be removed with solvent.

GRAFFITI REMOVAL

Available commercial cleaners can be used, as they will not affect the **G-Shield™ 74 Bright** coating. Graffiti can be removed by spraying a commercial cleaner on the surface and wiping with a soft cloth. Thick, gel-like cleaners are recommended for vertical surfaces or stubborn graffiti. Adjust the concentration of the cleaner to the severity of the graffiti. Avoid using alkaline strippers/cleaners on substrates coated with **G-Shield™ 74 Bright**.

Pressure wash spray can also be used. Maintain a minimum distance of 2 feet and keep spray at an angle. Avoid a direct spray.

Polishing and abrasive agents, sharp-edged devices and steel wool must not be used, as they will damage the protective surface.

HANDLING AND STORAGE PRECAUTIONS

Pressure may build slowly in the container due to evolution of ammonia. Open container slowly in a well ventilated area. Upon container opening and during the curing process, there will be a strong ammonia smell.

Proper personal protective equipment should be used. A disposable mask can be used if working in a well-ventilated or outdoor area. A half or full face respirator (with cartridges for controlling ammonia gas) is recommended for applications in closed and poorly ventilated spaces. Avoid contact with skin and eyes.

Keep uncured product away from open flame and sources of ignition. Prevent uncured product from coming contact with water. Do not mix with other liquids. Do not return any unused material to the original container.

Store material in a cool, dry place. Recommended maximum storage temperature is 25°C (77°F).

FOR INDUSTRIAL USE ONLY. Refer to MSDS for more information.

SHELF LIFE

G-Shield™ 74 Bright has a shelf life of 12 months from date of shipment, when unopened. Material in opened containers should be consumed as soon as practical.

This product sheet is not designed to serve as or be substituted for a MSDS on this product. A MSDS is available from KiON Specialty Polymers at www.thegshield.com or by calling 800.585.2151.

Information on this product sheet is subject to change without notice as a result of experience and ongoing product development. It is the user's responsibility to verify that this sheet is current prior to use. The user accepts all risk associated with any use of this product for any purpose other than as recommended herein.

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