

G-SHIELD

premium

Non-Sacrificial Protective Coating





Why use G-SHIELD PREMIUM™?



GRAFFITI

Graffiti comes in various forms – spray paints, brake fluids, stickers, permanent markers, etc., which are all destructive and unsightly to both public and private property. Statistics show that graffitied areas are perceived as unsafe by the public and invite further commission of other crimes.

GRIME

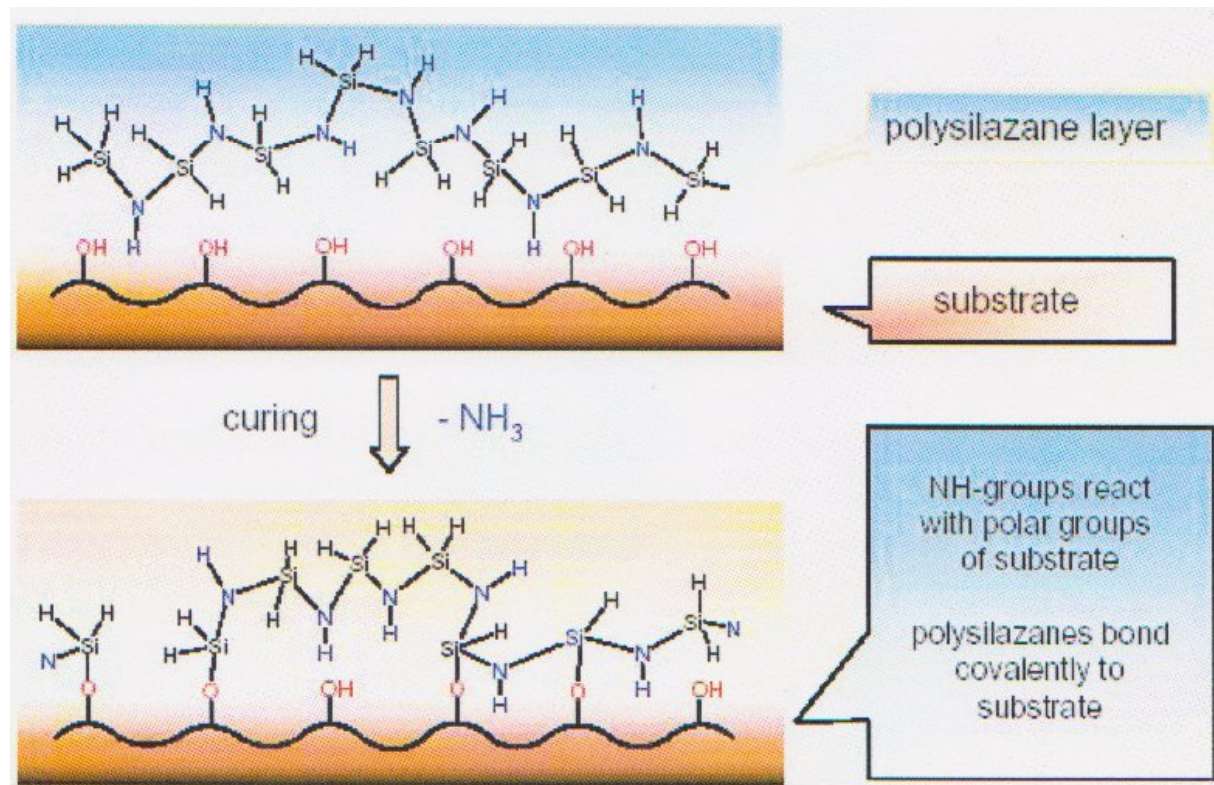
Failure to remove grime and other dirt from public facilities leads to a breeding ground for germs and contamination. Because of frequent use, public facilities necessarily become dirty and must be kept clean and free from unsightly stains.



The Resolution



G-Shield Premium™ is a cutting-edge solution to protect surfaces against graffiti and grime by providing a transparent and non-sacrificial barrier. Cost effective and ready-to-use.





The current problem with Graffiti removal



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- Re-painting is the most common and widely used type of graffiti control.
 - Can be expensive in labour and material costs.
 - Incorrect matching of paint colours leads to “jigsaw” effect on the surface.
 - Harsh cleaners not only remove the graffiti, but can also remove the underlying painted surface. Mild/Citrus cleaners partially remove the graffiti but leave “shadowing” on the surface.
 - Use of a low and/or high pressure water to remove graffiti can sometimes damage not only the paint on the surface but also the substrate underneath.
 - If graffiti cannot be removed, replacement is often necessary creating additional costs.
 - Certain types of inks and leather dyes penetrate deep into the surface making graffiti removal very difficult, if not impossible, in some situations.



Anti-Graffiti Protective Coatings Currently Available



- **WAX COATINGS**

- Sacrificial (non-permanent): Pressure washing removes graffiti and wax coating so the coating must be re-applied after every tagging and cleaning. Used only for exterior surfaces.

- **POLYURETHANE/SILICONE COATINGS**

- Provides a smooth semi-durable finish with chemical resistance.
- Silicones increase performance capability but can also attract dirt.
- Graffiti can be removed without removing coating but have to be applied in thick coats creating an unpleasant look.
- Graffiti will still adhere to the surface and will break down under the application of aggressive inks and paints.

- **SOME FLUORINATED COATINGS**

- Help make coatings easier-to-clean by reducing surface tension.
- May be harmful to the environment.



G-Shield Premium™ Anti-Graffiti Coating Beats Competition Hands Down!



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- Does not allow the adhesion of paints, inks, permanent markers and stickers to the treated surface.
 - Tar, tree sap, grease, dirt, paints, inks, permanent markers and stickers are easy to remove and often will not even adhere to the surface.
 - Fast clean up with mild cleaner and water.
 - G-Shield Premium™ is transparent on the surface and therefore the substrate retains its normal appearance.
 - Provides a non-sacrificial barrier.
 - Even though the surface can be repeatedly tagged, it can still be cleaned up quickly and easily numerous times without reapplication or damage to the surface.
 - Can be applied over dull surfaces to renew their lustre and shine without causing any demarcation lines from the old to new finish.



All-in-One Solution for the Finest Protection



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- Non-sacrificial and durable
 - Non-damaging
 - Chemical resistance - resistant to acid and alkaline cleaning products
 - Does not contain fluorine
 - Excellent weatherability
 - Oxidation and corrosion resistant
 - Highly transparent - does not affect optical or surface properties
 - Easy-to-clean
 - High UV resistance
 - No chalking
 - Low surface energy
 - Will not alter the readability or legibility of underlying graphics



G-Shield Premium™ Anti-Graffiti Coating



- **G-SHIELD PREMIUM™ COATING OFFERS**

- Ultra thin coating (application thickness is – 5 um)
- Coverage amount: - 50 – 80 square metres per litre
- Air-dry curing or room temperature curing
- Non-sacrificial protection
- Excellent adhesion to ferrous/non-ferrous metals, galvanised metals, glass, painted* and plastic surfaces

•It is recommended that on surfaces painted with oil-based paints a small area be tested first for suitability before complete application is performed.



G-Shield Premium™ vs. Other Products



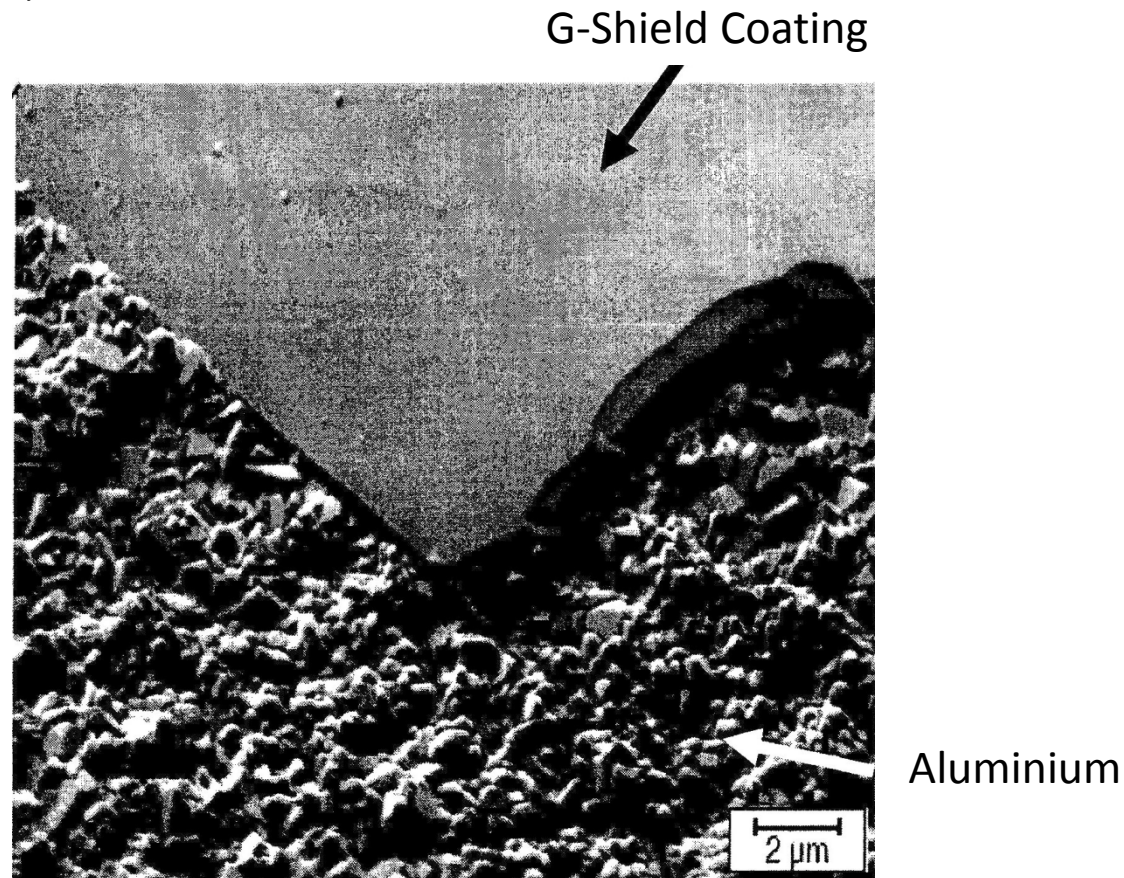
	G-Shield	Waxes	Polyurethanes	Fluorinated Compounds
Chemical Resistance	Yes		Yes	Yes
Clear	Yes		Yes	Yes
Durable	Yes		Yes	Yes
Easy-to-Clean	Yes	Yes	Yes	Yes
Exterior Application	Yes	Yes	Yes	
Interior Application	Yes			
No Substrate Alteration	Yes			
Non-Blushing	Yes			
Non-Flammable	Yes when dry to touch	Yes		
Non-Peeling	Yes			
Non-Sacrificial	Yes			
Non-Toxic	Yes	Yes		
Non-Yellowing	Yes			
Resists Staining	Yes			
Resists Weathering	Yes		Yes	Yes
Single coat application	Yes			
Single Component System	Yes			
Substrate Life Extension	Yes	Yes		Yes
Surface Hardness	Yes			
UV Resistance	Yes		Yes	



Microscopic View of the Coating



- Because of the self-levelling properties of G-Shield Premium™ during curing, the final outcome is a very flat, smooth surface.



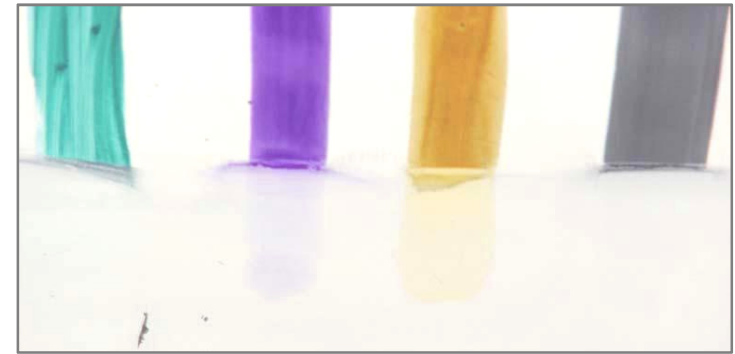


Anti- Graffiti and Protection Against Grime



- Clear and colourless appearance on the surface
- Air Drying or drying at room temperature
 - Dry to touch = 30 minutes to 1 hour
 - Graffiti resistance after 1 hour
 - Full cure = 7 days
- Permanent marker removed by wiping: 100%
- Graffiti paint removed under power wash: 100%

Untreated



Treated

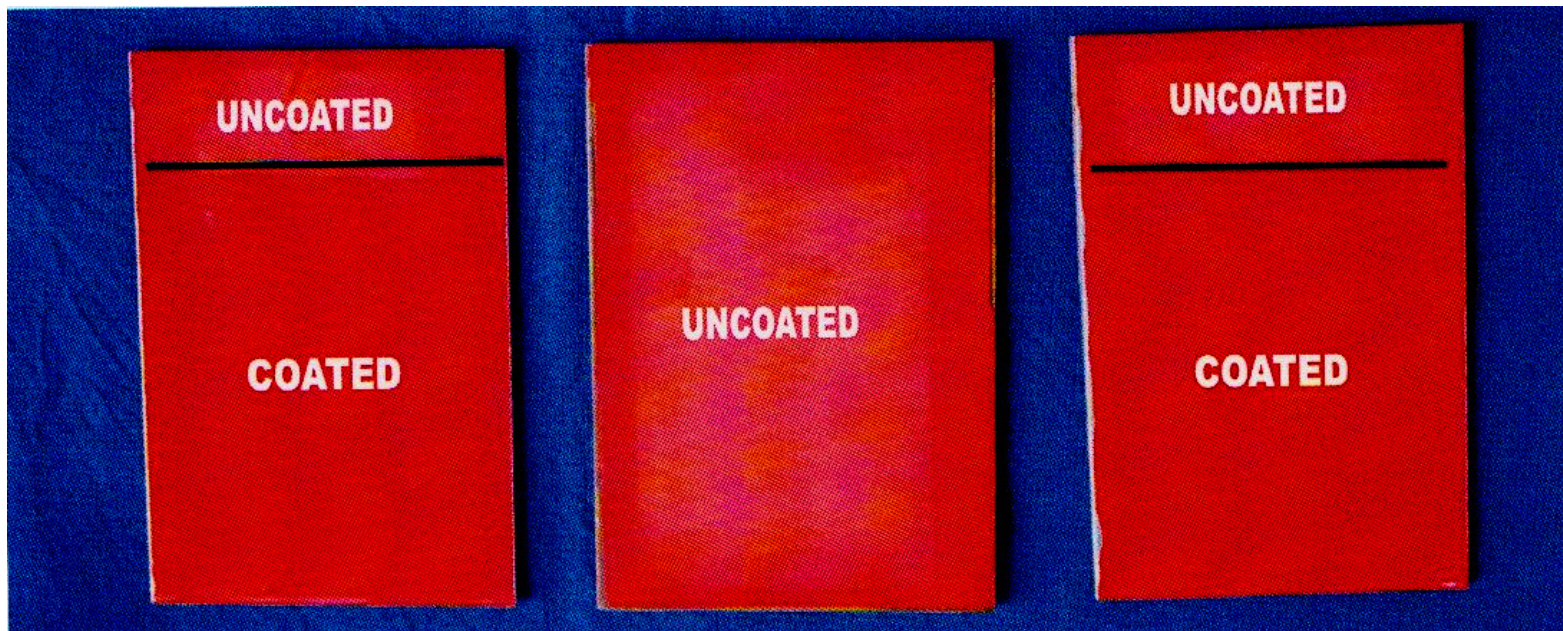




G-Shield Premium™ Benefits



- **G-SHIELD PREMIUM™**
 - Exterior coatings will withstand extreme weather
 - Products will retain the same finish and colouring
 - The notable difference between the G-Shield Premium™ coated and non G-Shield Premium™ coated surfaces are significant





Reduced costs using G-Shield Premium™



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- It has been found that using G-Shield Premium™ significantly reduces the cleaning time and cleaner consumption:
 - Reduced time out-of-service for all amenities
 - Reduced labour work for removal of graffiti
 - Reduced waste and waste water



Other suggested applications



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- **PAINTED OR METAL SURFACES:**
 - Trains
 - Rail cars
 - Buses
 - Metal facades and shutters
 - Containers and trailers
 - Marine vessels
 - **SIGNAGE:**
 - Traffic/road signs
 - Advertising signs
 - Plastic coated signs
 - **SYNTHETIC TEXTILES: PLASTIC FABRIC**
 - Bridges
 - Public use facilities
 - Restrooms
 - Playgrounds
 - Recreational areas
 - Pools
 - **SYNTHETIC MATERIALS:**
 - Bus shelters
 - Display cases or cabinets
 - Bus stop benches
 - Vending machines



Sound Barriers



- Application of G-Shield Premium™ on sound barriers



Easy-to-clean and anti-graffiti effect



**Graffiti and Grime
Have No Chance**



For further information and technical assistance please contact:
Sure Seal Solutions Unlimited

1800 27 47 47
info@sssu.com.au