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GRAFFITI SHIELD SYSTEM™

This unique two part water based primer/sealer/finish prevents damage to paint, masonry, wood, metal, plastic, vinyl, stucco, and many other materials caused by graffiti vandalism from spray paints and marker inks. The Graffiti Shield System™ reduces the high cost of constant cleaning and repainting walls damaged by graffiti.

Part 1 is our water based primer/sealer, **ONE COAT™** which is applied as the base/primer coat, and Part 2 is our water based, **ND GRAFFITI SHIELD™** which is applied in 4 top coats. The products are easy and simple to apply by quality sponge mop on smooth materials, and by low pressure sprayer (35 PSI), brush, or by airless sprayer (300-500 PSI) on rough materials.

The Graffiti Shield System™ dries water clear and enhances the natural appearance of all materials and underlying paints while preventing paints from fading/oxidizing for many years! It is also resistant to attracting soils and dust! Walls stay cleaner looking much longer! In addition, the sealers are easy to clean from normal soils with just plain water. This system does not require stripping and it functions as a primer should a color change be desired; then, apply it over the new painted color!

While many users report multiple cleanings of graffiti without damage to The Graffiti Shield System™, should there be any damage to any area of it after cleaning, then more product is easily applied over the damaged area to restore the natural look. The Graffiti Shield System™ strongly resists damage from Sun, Water, and most Chemicals for many years. It will not yellow, peel, crack, flake, nor chip!

Main advantages of The Graffiti Shield System™:

1. Eliminates the need for constant repainting after graffiti removal, and the endless problems associated with matching new paint to look the same as the rest of the wall. **It is more cost effective than sacrificial type coatings, because they require constant removal and reinstallation every time graffiti is removed from them.**
2. Protects porous surfaces from staining and from permanent graffiti damage.

3. Lowers your maintenance costs, stops all sealed paint from fading.
3. Improves the look of the walls. It will not yellow, peel, flake, chip, nor crack.
4. Does not require stripping (but it is strippable) and can be painted over.
5. Available also in Satin/Matte Finish for those who prefer a more dull look.
6. Deters future graffiti attacks.
7. Safe, easy and pleasant to use as directed. Contains no harsh solvents!

ND GRAFFITI SHIELD™ is available in either a high gloss or satin/matte finish. These products have low VOC's, and very low odors making them a pleasure to use indoors or outdoors.

TECHNICAL DATA:

Appearance: White emulsion
Color: Milky White
State: Liquid
Odor: Mild acrylic odor
Specific Gravity: 1.04
Vapor Density > 1
Vapor Pressure: 17 mm Hq at 20 C/68 F Estimate
Freezing Point: 0 C/34 F Initial
Boiling Point: 212 F Estimate
Solubility in Water: Dilutable
Evaporation Rate: > 1
Ph: 7.5 - 7.8
VOC: 16.2 g/l per California VOC Regulations
Shelf Life: Indefinite
Cure Time: 96 hours
Non Flammable
Non Combustible

Questions - Answers

What is it? The Graffiti Shield System™ is a protective coating and anti-graffiti coating system. It consists of [ONE COAT™ Water Based Sealer/Primer/Finish](#) and [ND GRAFFITI SHIELD™](#) that protects painted or unpainted porous surfaces from graffiti damage. The Graffiti Shield System™ will not allow vandals to damage the paint or stain porous masonry. New graffiti is simply wiped from the surface with our [DISAPPEAR Organic Graffiti/Adhesive Remover™](#).

Where should I use it? The Graffiti Shield System™ should be applied over all masonry walls to make removal of new graffiti much easier and to avoid permanent stains. It can be

also used on signs, and other materials, such as wood, plastics, and metals. Painted walls should be protected too, to save endless cycles of re-painting and unsightly mismatched patches of paint over graffiti.

How do I apply it? Apply 1-3 coats of our primer, [ONE COAT™](#). You should clearly see evidence of the primer on the wall after it has dried to the touch. You have sealed the base of the material/substrate. Next, apply 4 coats of our [ND GRAFFITI SHIELD™](#), one at a time so that each separate coat is absolutely dry to the touch. On a warm sunny day outside, each coat can dry in a few minutes!

Does it change the appearance of my walls? The Graffiti Shield System™ will highlight the natural look of the substrate and often slightly darken its shade. It is available in regular (glossy) or matte finish version. The Graffiti Shield System™ will not yellow, peel, flake, crack or chip. It will prevent new paint from fading and restore the look of old faded surfaces.

How much product do I need, and how much does it cost per sq.ft.? That depends on the porosity of the material that you want to protect from graffiti damage*:

1. Porous materials such as concrete, brick, blocks, stucco: 1 Gallon of ONE COAT™ covers about 330 sq.ft. for two coats, 1 Gallon of ND GRAFFITI SHIELD™ covers about 250 sq.ft. for all required coats. The total cost for both products for all required coats is \$0.64 - \$0.78+ when purchased in single Gallons, or in 5 Gallon Pails.

2. Semi-porous materials such as indoor/outdoor house paint, wood: 1 Gallon of ONE COAT™ covers about 660 sq.ft. for all required coats, 1 Gallon of ND GRAFFITI SHIELD™ covers about 500 sq.ft. for all required coats. The total cost for both products for all required coats is \$0.32 - \$0.38 per sq.ft. when purchased in single Gallons, or in 5 Gallon Pails.

3. Non-porous materials such as metals, plastics, non-porous paint: 1 Gallon of ONE COAT™ covers about 2,000 sq.ft. for the required coat, 1 Gallon of ND GRAFFITI SHIELD™ covers about 500 sq.ft. for all required coats. The total cost for both products for all required coats is \$0.23 - \$0.27 per sq.ft., when purchased in single Gallons, or in 5 Gallon Pails.

*The best method to determine the spread rate for these products on your material is to pre-test them on a small inconspicuous area. We cannot guarantee that our are accurate for your application.

How do I remove graffiti from The Graffiti Shield System™? Use [DISAPPEAR Organic Graffiti/Adhesive Remover™](#). Apply it to the affected area. Let the remover soak on the graffiti for 5 minutes to about 15 minutes. Do not use any abrasive pads, brushes. Then, remove the loosened graffiti with a powerwasher, or, soft cloth and then rinse with plain water. Reapply our remover and repeat, if necessary. You should be able to remove most graffiti without any damage to the shield. If you observe any change in appearance of The Graffiti Shield System, after the cleaning simply add a coat [ND GRAFFITI SHIELD™](#) to the affected area. We recommend that you remove all new graffiti within 2-3 days.

Can it be damaged when removing graffiti? Yes, using wrong remover can even strip it. Abrasive brushes, or not following our directions can damage it. It can be scratched as anything else. Simply reapply more [ND GRAFFITI SHIELD™](#) to the affected areas after the graffiti removal, which will blend into the look of the rest of the wall without any seams.

How do I apply it on different types of materials?

- A. On smooth materials such as paints, signs, vinyl use our recommended sponge mop because you can cover large areas in minutes. Fill a painter's tray with our product. Dip the sponge mop in it. Squeeze out the excess so it is wet, but not dripping, and apply over the area until dry spots are seen. Repeat the procedure covering the entire area. Spread any runs and drips immediately before they dry. When finished, clean the tools in plain water.
- B. On porous materials use an airless sprayer with a 13" or 15" self cleaning reversible tip at about 500 PSI. With a fine bristled brush blend any runs or drips immediately. Clean the tools with plain water.

How should I clean the "Shield" from normal dirt and soils? Hose it down, or scrub it using plain water, or with a neutral cleaner.

HOW MUCH OF ONE COAT™ and ND GRAFFITI SHIELD™ DO I NEED?

1. Porous materials such as concrete, brick, blocks, stucco:

- In most cases you will need to apply 2 separate coats of ONE COAT™ according to our directions. The approximate coverage is about 330 sq.ft. per gallon for two coats.
- You need to apply 4 separate coats of ND GRAFFITI SHIELD™ according to our directions. The approximate coverage is about 250 sq.ft. per gallon for all 4 coats.

2. Semi-porous materials such as indoor/outdoor house paint, wood:

- You need to apply 2 separate coats of ONE COAT™ according to our directions. The approximate coverage is about 660 sq.ft. per gallon for both two coats.
- You need to apply 4 separate coats of ND GRAFFITI SHIELD™ according to our directions. The approximate coverage is about 500 sq.ft. per gallon for all 4 coats.

3. Non-porous materials such as metals, plastics, non-porous paint:

- You need to apply one single coat of ONE COAT™ according to our directions. The approximate coverage for this coat is about 2000 sq.ft. per gallon.
- You need to apply 4 separate coats of ND GRAFFITI SHIELD™ according to our directions. The approximate coverage is about 500 sq.ft. per gallon for all 4 coats.

The best method to determine the spread rate for these products on your material is to pre-test them on a small inconspicuous area according to our [Directions](#). Our estimates should not be relied on to be accurate for your application.

Directions

A. Apply 1-3 coats of our primer, [ONE COAT™](#). You should clearly see evidence of the primer on the wall after it has dried to the touch. You have sealed the base of the material/substrate.

ONE COAT™ - PRODUCT APPLICATION DIRECTIONS FOR ND GRAFFITI SHIELD SYSTEM™:

DIRECTIONS FOR USE ON OLD AND NEW PAINTS, HOUSE PAINT, WOODS, VINYL, METALS, SIGNS, WALL COVERINGS, FURNITURE, ALL MASONRY, AND OTHER SMOOTH AND ROUGH MATERIALS AND SUBSTRATES AND OVER OTHER APPLIED COATINGS.

NOTE: USE THE RECOMMENDED SPONGE SYSTEM BELOW. SMOOTH AREAS MAY HAVE BUMPS, GROOVES, INDENTATIONS, ETC. USE A QUALITY SPONGE MOP IF ALL THESE AREAS ARE SMOOTH. A FINE BRISTLED BRUSH CAN BE USED FOR HARD TO REACH AREAS. A urethane type sponge mop is available at hardware/paint/janitorial stores. This is a very soft sponge with no holes on top. It is very resistant to tearing and cracking. It is available with a wringer and on a pole.

Our glossy version of ONE COAT™ does not need shaking. The satin/matte finish version requires vigorous shaking in small containers. Use an electric drill to mix it in 5 gallon pails for about 5 minutes. Test mixed material appearance after mixing by spreading it on a small inconspicuous area. The appearance should look dull.

1. Pre-clean all materials (new or used) with a **neutral cleaner** (PH of 7) to degrease and remove all soils and residues before sealing with ONE COAT™. Allow cleaned area to dry. Use a fan indoors to speed drying.

ON SMOOTH AREAS:

2. For small areas, apply product directly to sponge mop and squeeze out excess into clean tray or bucket. For larger areas, pour product into tray or bucket. Dip sponge mop directly into product and squeeze out excess with handle. Sponge mop should be damp with product, not soaking, nor dripping.

3. Apply product dampened sponge mop directly to the paint/material to be sealed and draw the sponge across the surface. Treated area should look wet. Do not rub the product on the area - doing so can disturb the film which forms quickly! Blend in any "runs" or "drips" immediately. Continue applying the product until you cannot see the wetness of the product. Dip the sponge mop back into the product, squeeze out excess product, and continue the application.

4. Start at the top far end and move the wet sponge mop across from one end to the other.

Then, repeat this technique until you have reached the bottom. Use sponge mop with or without pole for convenience.

5. We suggest that you apply 1-3 separate applications depending on the porosity of the substrate. Non-porous surfaces require only one application, semi-porous and some porous substrates require 2 applications. There are some porous substrates that require 3 applications of ONE COAT™. Allow each application to thoroughly dry to the touch before applying the next one.

6. Rinse the sponge mop in water to avoid it being sealed and ruined by the drying sealer after use.

ON ROUGH MATERIALS SUCH AS BRICK:

1. Use an airless sprayer with 13" or 15" reversible tip at 300-500 psi. Or, use a clean brush.

2. Spray mist the product over the area. Seeing the wetness of the product as applied is sufficient coverage for each coat.

3. When the first coat is "dry to the touch", repeat the procedure above to apply the additional coats.

B. Apply 4 coats of our [ND GRAFFITI SHIELD™](#), one at a time so that each separate coat is absolutely dry to the touch. On a warm sunny day outside, each coat can dry in minutes!

Note: If you are sealing a very porous surface - do this test: Apply only 1 coat of ND GRAFFITI SHIELD™ on a very small area and wait for it to completely dry. If it dries clear - proceed with the rest of the job and apply all 4 coats of ND GRAFFITI SHIELD™. If, however, the small area does not dry clear, and looks whitish, that means that not all pores were sealed with ONE COAT™, and therefore you need to do one more application of ONE COAT™ before using ND GRAFFITI SHIELD™.

ND GRAFFITI SHIELD™ APPLICATION DIRECTIONS:

The substrate must be first primed with ONE COAT™ Water Based Primer/Sealer/Finish in sufficient quantity so that it is visible and can be felt on the surface. After it is dry to the touch apply ND GRAFFITI SHIELD™ by spray (airless sprayer with 0.015 or 0.013 tip at about 300-500 PSI is recommended for most large painted and all porous surfaces; low

pressure hand pump sprayer at about 35 PSI could be used on very porous surfaces). The application should be thin and ND GRAFFITI SHIELD™ should appear water clear when applied. THE GRAFFITI SHIELD SYSTEM™ is a total of 4 separate coats of ND GRAFFITI SHIELD™ over the base application of ONE COAT™. Each coat must be dry to the touch before next coat is applied. Drying time may vary between few minutes to an hour depending upon the weather, humidity and ventilation.

THE GRAFFITI SHIELD SYSTEM™ should be used after 96 hours which is the cure time. You can protect the wall while it is curing by covering it with a drop cloth or securing the area. Should cleaning be necessary before 96 hours, reapply ND GRAFFITI SHIELD™ to the needed areas only. Do not allow this product to freeze and do not use it in freezing temperatures. However, once it is applied and cured, freeze/thaw cycles will have no effect on proper product performance.

Remove new graffiti from THE GRAFFITI SHIELD SYSTEM™ in 24 hours or less for better results. Use our [DISAPPEAR Organic Graffiti/Adhesive Remover™](#) - apply to area and allow it to soak on graffiti for 5 minutes to about 15 minutes and flush with water, clean with a soft cloth, or powerwash the area. When necessary, touch up cleaned areas with a light coat of ND GRAFFITI SHIELD™.

Please test this product on a small inconspicuous area before proceeding with the job.

WARNING: THIS PRODUCT CANNOT BE ALLOWED TO FREEZE IN THE CONTAINER AS IT WILL RUINED WHEN THAWED!

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