



MT-505

PPF & WRAPPING FILM COATING

DESCRIPTION

Graffiti Anti-Stick with heat rejection, is a patented, nano technological, permanent non-stick coating which does not allow paint, graffiti, adhesives, stickers, tapes and most markers to bond to the dry film.

It is a single component, vapor permeable, water-clear, UV & heat stable coating that is resistant to chemicals. Graffiti Anti-Stick incorporates a unique polymer with an extended nano particulate that produces an extremely high slip coefficient. It utilizes three different cross-linking mechanisms that provide depth of penetration, substrate adhesion and film durability which aid in its release performance.

This product forms a mechanical and chemical bond to inorganic materials and has unique organic functionality making its application virtually universal.

Graffiti Anti-Stick allows for expansion and contraction, building movement, temperature extremes, thermal cycling and freeze thaw cycles.

RECOMMENDED USES INCLUDE:

PPF And Wrapping Films	Any substrate requiring graffiti protection
Automotive Clear Coatings	
Signs	
Metal Containers	
Vinyl and Plastic and Glass	

■ LIMITATIONS

Product application must not be initiated during inclement weather or when precipitation appears to be imminent. Product must not be applied to wet, frozen or dirty surfaces or when conditions are windy as over spray is a hazard and environmental contaminants dispersed from windy conditions can land in the coating during curing. The product must be checked and reapplied as needed in the specific area that has undergone a graffiti removal. Always apply test area before proceeding with entire application.

The Graffiti Anti-Stick coating does adhere to many surfaces and does have varying adhesion rates depending on the substrate. It will not adhere well to certain plastics and other cured coatings. It is vital that an adhesion test is done before carrying out a full application and the owner has approved the coatings application on a test site in writing before a full application.

MT-505 may darken or 'wet out' certain mineral substrates. See Product Data Sheet. MT-505 cured film is considered to be soft and can be damaged during graffiti removal. Trained and certified personnel should carry out its application and removal in order to maintain the coating's integrity, performance, longevity and warranty. Graffiti Anti-Stick may pick-up dirt and/or environmental contaminates. Dirt pick-up can be removed with a water flush only; do not use chemicals to remove dirt from the coating's film.

Certain permanent and indelible markers can penetrate the Graffiti Anti-Stick. Always try to remove markers with the use of a dry cloth first. If a dry cloth fails to remove graffiti, remove the area in question with a paint scrapper, paint stripper chemical or by pressure washing at 1500 psi. Only remove the specific area that is damaged. When dry, reapply coating to area following original application guidelines. For more secure protection against markers, make sure the coating is applied in a minimum of 2 separate coatings with each application layer before fully cured prior to the next coating layer.

If adhesion problems occur with substrate or in coating-to-coating applications or during graffiti removal, consult your local Area Developer for assistance.

TECHNICAL DATA

Vehicle Type		Ambient Cure Refractory Resin	
Pigment Type		NA	
Volume Solids		35%	
Recommended film thickness	Wet	1 mils	
	Dry	0.75mils	
Typical Coverage Rates			
Substrate		L M2	ft2/Gallon
PPF & Wrapping Film		15 – 17	600 - 700
Glass		16 - 18	600 - 800
Auto-Clear& Plastic		15 – 17	600 - 700
Vinyl		15 –17	600 - 700
Smooth surface		10 - 17	500 - 600
Smooth Wood		10 – 12.7	400 - 520
Metal		15 – 17	600 - 700
Smooth Painted		15 – 17	600 - 700
Porosity and surface texture will determine volume requirements. Minimize excess paint disposal with accurate volume estimates.			
Dry Time @ 240 C (750 F) @ 50% RH	To touch	2 – 3 Hours	
	Tack Free	4 - 6 Hours	
	Cure	24 Hours	
High humidity and cool temperatures will result in longer dry, recoat and service times.			
Dries by		Evaporation	
Viscosity		90 – 95 KU	
Flash Point		26°C (79° F)	
Gloss/Sheen		glossy.	
Surface Temperature at Application	Minimum	100 C (500 F)	
	Maximum	320 C (900 F)	
Thin with		Do not thin	
Clean up with		Solvent degreaser	
Weight per gallon (3.78 L)		5.44 kg (12.00 lbs.)	
Storage Temperature	Minimum	-120 C (100 F)	
	Maximum	260 C (800 F)	
Volatile Organic Chemicals (VOC)		(Estimated Value)	

■ SURFACE PREPARATION

The surface is to be dry, clean and free of any foreign matter including corrosion, hydrocarbons, moisture, ice, efflorescence, silicones, fluoro- products, etc. Always test coating adhesion and performance before full application.

■ APPLICATION

Mix or shake well before application. Ensure there is no settled/cured material on the film or within the container. Cured or foreign matter must be removed prior to application. MT-505. Ensure product is consistent in thickness after stirring.

Apply via HVLP, 0.4 tip size 4" 150 ml stainless-steel gravity feed cup an adjustable spray pattern from round to full-fan shape spray pattern is adjustable from 1/8" to 6" (0.3 cm to 15.24 cm)

A stainless-steel nozzle, paint passage and heat-tempered needle to ensure long lasting, peak-performance spraying Using only 1.8 cfm at 13 psi, this low-air-consumption spray gun provides high atomization with precise control of the spray pattern with a minimum of overspray. This spray gun uses the reliable and easy-to-service cartridge-style "air valve" set, which can be serviced outside the gun and easily placed back into the gun body. Unlike siphon-feed guns, this gravity-feed cup will work with small amounts of coating without spitting. For the proper adjustments and settings of the LPH80 to spray.

■ APPLICATOR

Using microfiber or foam applicator over PPF or Wrapping film, with a few drops of the liquid to the applicator, apply the coating evenly, wait for 2 minutes and buff off the rainbow (solvent Flash) of the surface gently so avoiding removal of the coating thickness. allow 24 hours before washing the surface.

■ CLEAN UP

Flush and clean all equipment immediately after use with mineral spirits or acetone.

■ MAINTENANCE

Remove graffiti as soon as possible after surface has been vandalized. Remove graffiti by using:

- A dry rag, cloth or towels should be used first.
 - Always test chemical cleaners before moving into a full application.
 - Pressure wash: Less than 1500 psi.
 - Water and detergent at no more than 10% with a rag or cloth
 - Flush the coating with water after chemical cleaning to ensure the integrity of the coating.
 - If the coating is damaged or removed, ensure surface is clean and dry. Reapply as described in the Application Guidelines section.
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■ ENVIRONMENTAL HEALTH & SAFETY INFORMATION

Caution

May cause allergic skin reaction.

Do not get on skin or clothing.

Use only in a well-ventilated area. Keep container closed when not in use,

In case of spillage, absorb with inert material and dispose of in accordance with local regulations.

Wash thoroughly after handling.

Protect from freezing.

Refer to Safety Data Sheet for additional health and safety information.

Stir thoroughly.

Behind Masters Touch is an experienced team of chemical engineers and research scientists devoted to making the impossible; POSSIBLE.

Our advanced coatings meet the demanding needs of military contractors, heavy industry and homeowners alike with formulations that push the envelope in creating sustainable, affordable and easy to use products.

WARNING

Although the technical details and recommendations contained in this product data sheet are based on the best of our knowledge and experience, all the above information must be considered as indicative only.

Users must ensure, through prior testing, that MT-505 is suitable for the intended application and site conditions.

In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

■ LEGAL NOTICE

- The contents of this Technical Data Sheet (TDS) may be copied into another project-related document; however, the resulting document shall not supplement or replace the requirements of the TDS in force at the time of application.
- The most up-to-date TDS can be requested from Masters Touch Global Inc. or downloaded from the official website.
- Any alteration to the wording, specifications, or requirements contained or derived from this TDS releases the manufacturer from any responsibility.



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