

PRODUCT DATA

PRODUCT #: M-0505

DESCRIPTION:



PRODUCT INFORMATION:

APV's anti-graffiti, stain resistant topcoat is a high solids, 2K formula which is featured in the Vynguard® product family. The coating provides a 100% barrier to plasticizer migration while remaining extremely flexible. Our #1 formula for stain performance, it is designed to resist the most permeating of stains such as: Sharpie® marker, inks, coffee, mustard, ketchup, leaf stains and many others. The formulation is also highly resistant against algae and fungus growth, abrasions, marring, burnishing, and UV degradation. 4-8 g/m² of dry film is required for optimal stain resistance.

The coating has been engineered for application via gravure and requires a (surface/web) temperature of 110 °C for at least 5 seconds to initiate a snap cure. Once catalyzed, the pot life is at least 6 months. It can be applied to flexible PVC and will easily take an emboss. This product is ideal for the marine, automotive, and contract seating industries. The choice of low or high gloss is available to provide our customers with the flexibility of meeting any gloss specification.

FEATURES:

100% Barrier to Plasticizer Migration

Superior Stain Resistance

Resistant to Abrasions, Marring, Scratching & Burnishing

Mold & Fungal Resistance

Excellent UV Resistance

Excellent Gloss Retention

Low & High Sheen Options

HAPS Free

High Solids Formulation

Excellent Cleanability

Non-Yellowing



TECHNICAL DATA SHEET



PRODUCT CODE(S):

M-0505

PRODUCT DESCRIPTION:

VYNGUARD® ANTI GRAFFITI

PHYSICAL PROPERTIES:

COLOR:	CLEAR (MATTE)
TYPE:	SOLVENT BASED
VISCOSITY:	#3@12 2400-3400 RPM
WEIGHT PER GALLON:	9.34 lbs/gal ± 0.30 lbs. 1.12 g/ml ± 0.04 g/ml
SPECIFIC GRAVITY (ASTM D 1475-90):	1.118 ±
GLOSS @ 60°:	<2.8 OVER WHITE
pH:	NOT APPLICABLE
FLASH POINT:	24 °F -4.4 °C
SOLIDS:	55.74 % by weight 46.94 % by volume
THEORETICAL COVERAGE:	752.92 ft ² / gal @ 1.0 mil dry 18.47 m ² /l @ 25.4 μ
VOC (WET):	3.54 lb(s)/gal (424.5 g/l)
VOC (DRY):	3.75 lb(s)/gal (449.7 g/l)

APPLICATION:

RECOMMENDED FILM THICKNESS:	10.00 mil (wet) 283.97 g/m ² 4.69 mil (dry) 158.29 g/m ²
COVERAGE:	160.40 ft ² /gal @ 4.69 mil (dry)
METHOD:	GRAVURE
CURE METHOD:	BAKE 150 °C FOR 50-70 SECONDS
REDUCTION:	MEK OR ETHYL ACETATE
CLEAN UP:	MEK OR ETHYL ACETATE
RECOMMENDED EQUIPMENT:	

SUBSTRATE:

TYPE:	PVC, TPU, OR VARIOUS PLASTICS
PREPARATION:	CATALYZW WITH K-0463 OR M-0870

HANDLING & STORAGE:

SHELF LIFE:	6 MONTHS AFTER CATALYZED
FREEZE CAUTION:	None
RECOMMENDED STORAGE:	COOL, DRY LOCATION BETWEEN 5-35 °C

ADDITIONAL GUIDELINES:

Recommended Cleaner: Isopropyl alcohol
Wyzenbeeks: Passes at 400,000
W-Flex: >200,000

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Founded in 1878, APV Engineered Coatings custom engineers and manufactures industrial coatings and advanced chemical products out its state-of-the-art facility in Akron, Ohio. APV is a partner for some of the world's top producing manufacturers due to our expertise in chemical composition, the commercialization of advanced materials, and large-scale production with acute quality control. Our innovative solutions have been integrated into a variety of industries for unique applications.

At APV, clients work with knowledgeable and personable staff who are focused on delivering optimum solutions in an unprecedented timeframe. APV thrives by recognizing the importance of our clients' success, which have proved to create long-standing partnerships.



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