

PRODUCT DATA

DESCRIPTION:



PRODUCT INFORMATION:

Vynguard® with Kynar® PVDF Topcoat is a clear, high performance finish engineered to extend the lifecycle of flexible building products in harsh UV environments. This product is formulated with Kynar Aquatec®, a polyvinylidene difluoride (PVDF) fluoropolymer resin, which is a thermoplastic technology from Arkema Inc. that is proven in the industry for long-term performance. Vynguard® Kynar® PVDF Topcoat offers superior UV resistance, mildew resistance, dirt shedding and non-yellowing properties.

The topcoat system is designed with UV additives and a proprietary blend of high performance polymers for applications on outdoor fabrics and flexible vinyl. It is applied using a gravure or spray method and is used in conjunction with APV's barrier primer to enhance adhesion and block plasticizer migration.

FEATURES:

Extends Lifecycle of the Substrate

Excellent Weatherability and UV Performance

Excellent Adhesion and Flexibility

Blocks Plasticizer Migration

Resists Dirt Pickup

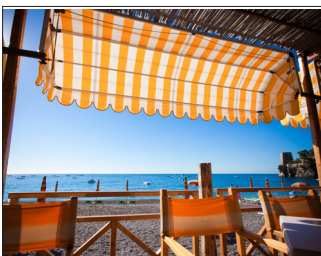
Non-Yellowing

Water-Based and Low VOC

Non-Hazardous

Low Odor

Excellent Adhesion to PVC



TECHNICAL DATA SHEET



PRODUCT CODE(S):

P-0115

PRODUCT DESCRIPTION:

VYNGUARD WATER-BASED PVDF TOPCOAT

PHYSICAL PROPERTIES:

COLOR:	CLEAR
TYPE:	WATER-BASED
VISCOSITY:	550 CPS #2 @ 30 RPM
WEIGHT PER GALLON:	9.18 lbs/gal ± 0.30 lbs. 1.10 g/ml ± 0.04 g/ml
SPECIFIC GRAVITY (ASTM D 1475-90):	1.100 ± 0.04
GLOSS @ 60°:	32
pH:	5
FLASH POINT:	170 °F 76.7 °C
SOLIDS:	37.1 % by weight 31.8 % by volume
THEORETICAL COVERAGE:	510.07 ft ² / gal @ 1.0 mil dry 12.52 m ² /l @ 25.4 μ
VOC (WET):	0.69 lb(s)/gal (82.7 g/l)
VOC (DRY):	1.59 lb(s)/gal (190.7 g/l)

APPLICATION:

RECOMMENDED FILM THICKNESS:	3.00 mil (wet) 83.82 g/m ² 0.95 mil (dry) 31.10 g/m ²
COVERAGE:	534.67 ft ² /gal @ 0.95 mil (dry)
METHOD:	GRAVURE ROLL
CURE METHOD:	BAKE* SEE GUIDELINES
REDUCTION:	AS NEEDED WITH WATER
CLEAN UP:	WATER IF WET, MEK IF DRY
RECOMMENDED EQUIPMENT:	

SUBSTRATE:

TYPE: VINYL, FLEXIBLE PVC, VARIOUS

PREPARATION: CLEAN, FREE FROM DIRT, OIL AND CONTAMINANTS,

HANDLING & STORAGE:

SHELF LIFE: 1 YEAR, UNOPENED
FREEZE CAUTION: Protect from freezing
RECOMMENDED STORAGE: STORE BETWEEN 40-100 DEGREES F

ADDITIONAL GUIDELINES:

BAKE TEMPS AND DWELL CAN BE VARIABLE. CURE AT 230 - 275F FOR 30 - 60 SECONDS. A PEAK WEB TEMPERATURE OF 170F (ABOUT 75C) FOR 30 SECOND MINIMUM WILL ENSURE OPTIMUM PROPERTIES OF THE COATING.

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rev. date:

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