TruGard inc.
Revêtements industriels | Industrial Coatings

AQUAGARD
WATER-BASED POLYESTER
SERIES: P80

DESCRIPTION:

AquaGard is a high-performance water-based polyester coating with the ability to prevent heat build-up on PVC substrates such as PVC windows and polyurethane insulated steel doors. AquaGard is available in all colors using only pigments with superior light fastness and infra-red reflectance to prevent the chalking, color change and warping of PVC substrates which can result over time from the exposure to extreme weather conditions. AquaGard conforms to AAMA certification for PVC windows and exterior steel doors. ASTM D1308 testing shows the excellent resistance to a variety of solvents, oils, gasoline and acids. ASTM G155 accelerated weathering tests indicate no change in color or gloss will occur during the lifetime of this paint. This product can also be applied to a surface of pre-painted aluminum and fiber glass.

CHARACTERISTICS

Film Thickness	1.5-2.0 mils (37.5-50.0 microns)
Solids	Volume solids 42% Approx.
Gloss	20-90°
VOC	71 grams per liter
Viscosity	25-30 sec. Zahn#3 @25° C
Dry Time	45 min. to Touch 2hrs. to Handle
Coverage	500 sq. ft. @1.5 mil dry
Colors Available	Gentek and most colors
Shelf Life	1 year

APPLICATION SPECIFICATION

Application Temperature	10-30° C
Weight	9.95 pounds per gallon
Reduction	5-10% Deionized water if necessary
Surface Preparation	PVC - Acetone wash Steel - light sanding with sandpaper #320
Application Equipment	Conventional spray and HVLP
Clean-up	Water

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PHYSICAL PROPERTIES

Pencil Hardness	H ASTM D 3363
Humidity Cabinet	ASTM D 1735 1500 hours No defects
Direct Impact	ASTM D 4226 1.2 inch/lbs/mil minimum
Cross Hatch	ASTM D 3359B - 100%
Heat Build-up	ASTM D 4803 Does not exceed 30°C horizontal
QUV Exposure	UVA 340 Lamp 1500 hrs. % Gloss retention: ≤ 90 ASTM D 523 Color retention: ΔE ≤ .8 (CIE lab) ASTM D 2244 Impact retention: 80% ≤
Exterior Durability	Gloss retention 90% ≤ Color retention ΔE ≤ (CIE lab)
One Year Water Immersion	No Blisters No effect on gloss, adhesion or color change
Freeze/Thaw Cycle	10 Cycles -30°C 8 hrs +30°C 8 hrs No effect on PVC, steel or rubber

Note:

The information and data stated herein is based upon our current knowledge and accelerated testing methods. In view of other factors beyond our control which may affect the application and performance of this product, it is recommended that the user carries out their own individual evaluation and testing to determine that the product is satisfactory and suitable for their intended uses and application. If any further information is required, **please consult your TruGard representative**.

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