

# PRODUCT DATA

## DESCRIPTION:

# KAPGUARD

WITH KYNAR® PVDF

## PRODUCT INFORMATION:

KAPGUARD® is a line of finishes custom formulated with Kynar® polyvinylidene fluoride (PVDF) resin, a tough thermoplastic polymer in both water and solventborne chemistries. APV incorporates unique, proprietary polymer blends, UV blocking additives and specialty grade inorganic pigments into the chemistry producing coating lifecycles that are unprecedented. The product is ideal for fiberglass reinforced pultrusions, PVC and composite substrates used in outdoor building products, such as window and door profiles, to provide exceptional performance under thermal, chemical, and harsh UV environments. KAPGUARD® is applied at the OEM by spray, roll, or vacuum coater with a low temperature curing process.

### AAMA 625-10 Fiberglass Reinforced Pultrusions

Section	Specification	Method	Result	Qualification	Method
4.3	DFT	10' from surface & inspected at an angle of	1.6 Mil	Pass	ASTM D 4138
6.3.1	Hardness	Pencil test	F Minimum	Pass	ASTM D 3363
6.4.1.1	Adhesion	crosshatch	5-B	Pass	ASTM D 3359
6.4.1.2	Wet Adhesion	100°F soak @ 24 Hrs	5-B 4-B	Pass	ASTM D 3359
6.4.1.3	Boiling Water	100°C soak @ 20 Minutes	5-B 4-B	Pass	ASTM D 3359
6.5.1	Direct Impact	5/8 ball 80 inch/pb	No Film Removal	Pass	n/a
6.7.1	Muriatic Acid Resistance	15 Minute 10% Solution	1.0 unit color change, 4% gloss	Pass	n/a
6.7.3	Nitric Acid Resistance	Vapor 30 Minutes	1.25 unit color change, 0.7% gloss	Pass	n/a
6.8.1	Detergent	100°F soak @ 72 Hrs	5-B 4-B +4.6% gloss change	Pass	n/a
6.9.1	Windex	24 hrs	4-B no blisters +2.28% gloss change	Pass	n/a



## FEATURES:

*20+ Year Coating Life Cycle*

*Exceptional Resistance to UV Degradation*

*Long Term Color Retention*

*Complex Inorganic Pigments*

*Water-based and Solvent-based Options*

*Low VOC Formulations*

*Resists Water Pick-up*

*Resists Mold & Mildew Growth*

*Repels Stains, Dirt, Grease*

*Performs Under Abrasive Environments*