

# Product Bulletin



## BIODEGRADABLE FLEXIBLE MATTE WHITE PVC BIODEGRADABLE PERMANENT ADHESIVE

EcoMARK™ VFW-BIO-AP/108# is a 3.5-mil certified biodegradable (ASTM D 5511) white matte flexible calendared vinyl film coated with 3-135 certified biodegradable (ASTM D 5210) permanent pressure sensitive adhesive laminated to a environmentally friendly 8pt. board stock liner. This film is designed to accept a variety of solvent-based inkjet and UV curable inks common to wide format digital printing, in addition to conventional screen and UV offset printing systems. Adhesive 3-135 produces permanent bond to a variety of common substrates used in graphics applications. The vinyl and adhesive have been tested and shown to biodegrade in the presence of microbes which are typically found in a landfill setting. The product will not begin biodegrading until said environment is present. The environmentally friendly 8pt. liner is made using clean production - Elemental Chlorine Free bleaching, 10% internally recycled content and Responsible Fiber Sourcing - Fiber is verified to not be taken from a.) endangered forests; b.) old growth forest; c.) rain forests; d.) areas in violation of civil rights; and e.) illegally harvested or stolen wood.

**Applications** EcoMARK™ VFW-BIO-AP/108# is designed for interior signage, decals, nameplates, die-cut letters and point-of-purchase displays where biodegradable end results are desired.

**Thickness**

Film	3.5 mils.
Adhesive	.9 to 1.1 mils.
Liner	8.0 mils.

(Thickness variance +/- 10%)

**Dimensional Stability** Good.

**Temperature Ranges** Minimum application temperature is +40°F.  
Service temperature is -40°F to +180°F.

**Expected Exterior Exposure** Up to 6-months

**Adhesion** To stainless steel 56 oz/in.  
PSTC-101 Method A with 24 hr. dwell at 70°F and 50% relative humidity.  
Typical values. Individual values may vary.  
Test thoroughly for your specific application.

**Humidity Resistance** Good  
**Solvent Resistance** Good

**Storage Stability** 6-month shelf life when stored at 70°F and 50% relative humidity.

(Compatible printing methods stated above)

**Product Codes**

<b>Wide Format Digital Printing:</b>	Concept 233
<b>Screen and UV Offset Printing:</b>	VFW-BIO-AP/108#

**Recommendations** Completely evaporate ink solvents before application. Failure to do so may facilitate solvent penetration resulting in premature vinyl degradation.



*Manufacturer of Pressure Sensitive Films,  
Traffic Graffiti Floor Advertising Films,  
Custom Coatings and Printing Inks.*

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