

# MAGIC® PRODUCTS APPLICATIONS GUIDE

## VSFUV



IntelCoat



Digital Imaging  
Substrates

MAGIC® VSFUV is joint venture product that was developed with VALERON® Strength Films. This strong 9 mil recyclable material is plasticizer-free, vinyl-free, and is an extremely tear-resistant banner material. The product is designed for UV cure printing systems using flexible ink sets.

### PHYSICAL PROPERTIES

#### Key Product Features

Plasticizer-Free  
Vinyl-Free  
Extreme Tear Strength  
Light Weight  
Water & UV Resistant  
Ultra Smooth Surface  
Recyclable

Caliper: . . . . . 9.0 mil

Whiteness: . . . . . 92

Gloss (60°): . . . . . 23

Opacity: . . . . . 96%

Tensile Strength: . . . . . .57 Lbf

% Elongation: . . . . . 163.5%

Initiated Tear: . . . . . .104 Newton

Tear Strength: . . . . . .1354 grams

Indoor Life Expectancy . . . . .1 year+

Outdoor Life Expectancy . . . . . 6 months with no lamination

Not fire rated for flammability

### APPLICATIONS GUIDELINES

**Application Use:** VSFUV can be used for indoor and outdoor applications. It is ideal for pole banners, suspension banners (over roads, walkways, entrance ways), Pop-up banners, and for front-lit and backlit rolling signage. **Tunnel testing shows that VSF can withstand winds up to 70 mph.**

**Printer & Ink Compatibility:** VSFUV is designed to offer exceptional print performance on UV cure printing systems using flexible ink sets.

**Water Resistance & Surface Protection:** This product is considered water resistance. This film surface can be damaged from excessive folding or creasing, so overlaminating is recommended for protection.

**Material Handling & Storage:** Once print is completed, roll imaged media onto a core until ready for use. Folding is not recommended. After use, the roll should be stored in its original packaging in the poly bag at 59-86° F / 15-30° C and 30-70% RH.

### FINISHING RECOMMENDATIONS

**Tape & Stitched Hem:** Standard high-tack banner tape can be used and is preferred to sewing, as the sewing process can scratch the film surface. Follow the guidelines of the tape manufacturer. If sewing, it is recommended that the unlined banners be stitched hem side up so that the sewing machine foot comes in contact with only the backside of the banner. For maximum reinforcement, a double-stitched hem with a double lock stitch, with a maximum of five stitches per inch and corner reinforcements are recommended.

**Grommeting:** Grommet and wind slits will not tear. VSFUV exhibited excellent results during Grommet Pullout Resistance testing. Grommets should be placed in the hemline along the length of the banner so that the grommet is through two layers. Corner grommets should be placed where the length and width hems cross, so the grommet is through four layers. Reinforced corners can be used to further increase durability.

**Laminating:** A vinyl pressure-sensitive overlaminate may be used. However, overlaminating one side may cause the product to curl toward the laminated side.

### RECYCLE AND DISPOSAL



Disposal by recycling of ink jet media is the preferred method. Where recycle markets do not exist, disposal by landfill or an approved incinerator is acceptable. See the Magic Technical Bulletin @ [www.magicinkjet.com](http://www.magicinkjet.com).

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For more information, call 1-413-539-5731,  
or visit our website: [www.magicinkjet.com](http://www.magicinkjet.com)

\*Most updated version of this guide can be obtained on our website.