

BANNERS
VSF
Valéron® Strength Film Banner Media
For Aqueous, Solvent & Eco-Solvent Printers

Making all Great Images Count



www.magicinkjet.com

MARKET APPLICATIONS

- Pole banners
- Suspension banners (over roads, walkways, entrances)
- Pop-up banners
- Rolling signage

PRODUCT DESCRIPTION

- Super-tough Valéron® polyolefin base
- 12.5 mil (319 microns), 271 gsm
- Opacity: 96%
- Extreme tear resistance
- Indoor / outdoor use
- **Recyclable**, plasticizer-free, vinyl-free,

GENERAL AVAILABILITY

<u>VSF</u>	<u>Part #</u>
24" x 50'	65023
24" x 10'	70414
36" x 75'	64214
42" x 50'	64954
50" x 50'	64215
54" x 75'	64217

Note: 2" core

FEATURES & BENEFITS

- Indoor / outdoor use
- Lower cost than competitive vinyls
- Ultra-smooth printing surface; lightweight
- More strength than many scrim vinyls, even after an initiated tear; tunnel-tested to withstand 70 mph winds; grommets and wind slits will not tear.
- **Recyclable** – more environmentally friendly product than vinyl.

MEDIA COMPATIBILITY

VSF Can be used on aqueous, solvent, and eco-solvent printers.

- * For complete Magic® product set, refer to Magic Printer Compatibility Chart under Technical Support on www.magicinkjet.com.
- * For additional product details – including printer settings and lamination guidelines – see Application Guide under Tech Support of www.magicinkjet.com
- * For ICC profile availability, see www.magicinkjet.com

Phone: 1-800-628-8604
Fax: 1-800-861-4128

Disclaimer: Information presented in this product sellsheet is intended to offer a useful reference in selecting media for your output. No media warranties are implied unless specifically mentioned. Printer and / or ink changes may affect results. The most current product information may be found at www.magicinkjet.com.

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MAGIC® PRODUCTS APPLICATIONS GUIDE

VSF

InteliCoat



Digital Imaging
Substrates

Valéron® STRENGTH FILM BANNER

MAGIC® VSF is joint venture product that was developed with VALERON® Strength Films. This strong 12 mil recyclable material is plasticizer-free, vinyl-free, and is an extremely tear-resistant banner material. The product is designed for use with pigment, solvent, and eco-solvent inks and can be used for both indoor and outdoor applications.

PHYSICAL PROPERTIES

Key Product Features

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

Total Caliper:12.5 mil
319 micron
Basis Weight:271 g/m²
7.9 oz/yd²
Whiteness:113
Gloss (60°):2.6
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: VSF 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: VSF can be printed with Hewlett-Packard DesignJet®, Canon iPF series, Epson Stylus Pro series, and other water-based piezo printers. It is recommended to use pigment inks for longer-lasting images. VSF may also be printed in most solvent and eco-solvent printers such as: Mimaki JV3, Mutoh Toucan, Vetek, Nur, Roland Versa Camm, etc.

Printing: To optimize print quality, aqueous printers should be set for the highest print quality and "HEAVY COATED PAPER". For solvent /eco-solvent, ink coverage up to 250% is recommended. Exceeding the ink saturation recommendation will reduce the waterfast properties. Suggested pre-heat setting: 40° C. Heat setting: 34° C. Dryer: max.

Water Resistance & Surface Protection: Aqueous and solvent pigment inks will provide a high degree of water resistance. Pressure sensitive overlaminates are recommended to protect the surface from dirt and abrasion. Dirt and stains can not be cleaned from the imaged unprotected surface, and the unprotected surface can be damaged from excessive folding or creasing.

Material Handling & Storage: Once print is completed, roll imaged media onto a core until ready for posting. Excessive folding is not recommended. After use, the roll should be stored at 72° F (+/-5°) and in its original packaging in the poly bag for no more than 1 year.

Color Calibration: Color profiles can be obtained for selected RIP, ink and printer combinations on the magicinkjet.com web page. Periodically check the web page for the current availability.

FINISHING RECOMMENDATIONS

Tape & Stitched Hem: Standard high-tack banner tape can be used and is preferred to sewing, as the sewing process can scratch or cause coating pick-off. Follow the guidelines of the tape manufacturer. If sewing, it is recommended that the unlaminated 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. VSF 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. Let image dry 24 hours before laminating.

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.

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For more information, call 1-413-539-5731,
or visit our website: www.magicinkjet.com

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