VINYLEFX® Selection & Application

HOW TO SELECT THE RIGHT VINYLEFX FILM FOR YOUR NEXT PROJECT

Application	Indoor Decorative	Outdoor Durable	Comments
Outdoor Signage		✓	Application to flat, smooth, non-porous vertical surfaces. Only apply VinylEfx films dry. Wet applications are not warranted. Edge sealer is strongly recommended to insure full durability of outdoor film.
Window Graphics		✓	Allow 1/8" to 1/4" space from frames. Do not use Windex to prep the glass surface.
Wall Graphics (Indoor)	✓		Application to flat, smooth, non-textured walls vertical surfaces. On walls painted with a matte finish paint, test the VinylEfx film for adhesion prior to the application.
Digitally Printed Promotional Posters (Indoor)	✓		Printable using thermal transfer, UV inkjet, latex, solvent/eco-solvent printers. Not printable using aqueous printers. Allow 1/4" border around graphics when printing with solvent/eco-solvent printers. Profiles for many of the most popular printers are downloadable from the Nekoosa website.
Screen Printed Graphics	✓	✓	Recommended inks include Sericol TMI II, Nazdar 3500 UV inks and 3M 9700 UV inks. Both Nazdar 3500 series and 3M 9700 UV inks print exceptionally well through a 355 or 380 mesh. Sericol TMI II is a solvent-based vinyl ink. This ink can be either air-dried or jet-dried. Excessive heat used in drying solvent inks can cause VinylEfx films to shrink. UV curing also subjects VinylEfx film to intense energy, which can cause film shrinkage, as much as 1/32". To minimize shrinkage, reduce the energy level and speed up the conveyor belt. Adjust the setting of the UV curing lamps to 300 watts, and run the belt speed at 50 feet per minute.
Vehicle Graphics		✓	Only use the VinylEfx films on flat, smooth, vertical surfaces. Always edge seal graphics. Surface prep with solvents may be required to remove waxes, tar, soot and grease. Service temperatures above 150°F can be problematic. Not for application to riveted surfaces, corrugations or vehicle wraps.
Domed Graphics (Indoor & Outdoor)	✓	✓	Test resin for compatibility prior to production.
Marine Graphics		✓	Not for application to submerged surfaces. Always edge seal graphics to prevent galvanic corrosion.
Point-of-Purchase Displays, Tradeshow Graphics, Museum Graphics	✓		Always test VinylEfx films to the substrate selected prior to production of graphics. Please be aware that adhesion depends on several factors, such as time, temperature, application pressure and the substrate.
Floor Graphics (Indoor)	✓		Protect floor graphics with a non-slip overlaminate.

✓ Recommended Film

NOTE: Outdoor durability for the Durable Series of VinylEfx is typically 3 years.

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NEKOOSA

800.826.4886 | sales@nekoosa.com

NEKOOSA.COM

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NAZDAR SOURCE ONE

VISIT US ONLINE
SourceOne.Nazdar.com

CALL US
888-578-5713

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