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SunVetro SGF



With the launch of the solvent based, two component ink system SunVetro **SGF**, we introduce a truly innovative ink concept, primarily for glass screen printing that meets both modern technical and regulatory requirements. The formulation is based on the very latest technologies and complies with all the relevant regulatory standards expected of modern glass printing ink. Thanks to its composition, **SGF** reduces potential health risks for processors and end users, ensuring a high level of safety along the entire value chain.

From a technical performance standpoint, **SGF** also impresses. It has been specifically developed to meet increasing market demands, particularly regarding adhesion, outdoor durability and processing stability.

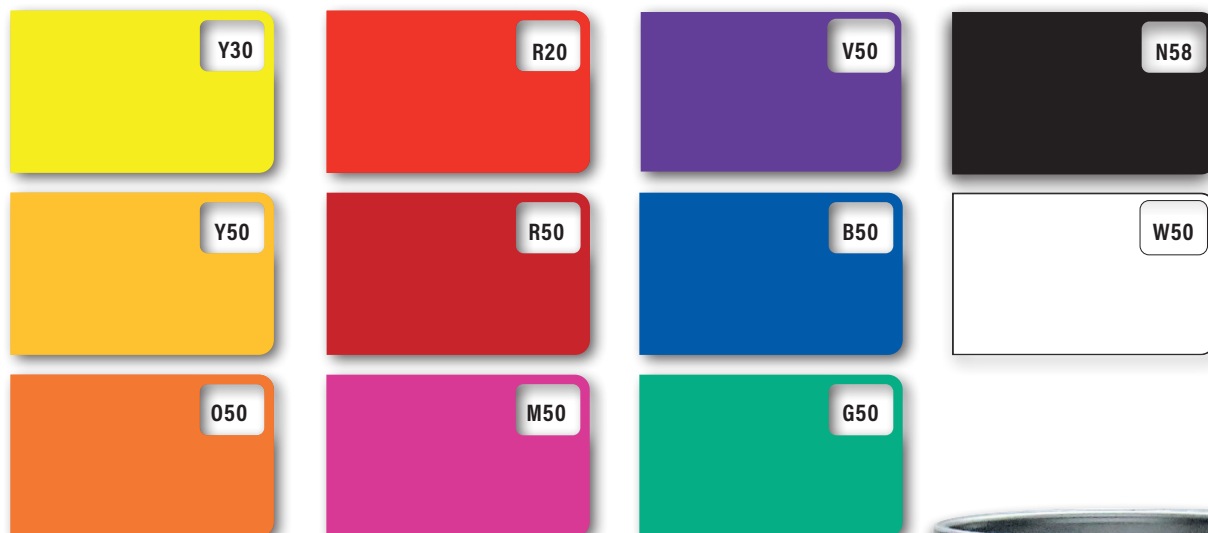
The performance characteristics close an important gap in our ink portfolio, enabling applications that were previously limited or only achievable with sub optimal solutions.

The resulting, **SGF** series inks not only represent a modern alternative ink option but also expands the scope of glass and other screen printing applications.

- Maximum pigmentation for outstanding brilliance and opacity
- Excellent light fastness, weather resistance and durability
- Primarily formulated for use on glass, however offers a very broad range of potential substrates, including metals, chrome-plated surfaces, coated substrates, thermoplastics (PMMA and ABS) and duroplastics
- High chemical and mechanical resistance
- Good screen stability and on press performance
- Exhibits a satin / gloss type finish

A MODERN GLASS INK SYSTEM FOR HIGH DEMAND APPLICATIONS

WITH THE 11 MONOPIGMENTED BASE COLOURS AND VARNISH E50,
ALL OTHER COLOUR SHADES CAN BE ACHIEVED!



SGF series inks were formulated as a two component ink system, working in combination with the specially developed hardener, **SGF/H**, a chemical crosslinking reaction takes place following the initial physical drying phase, hardening the ink film permanently. The result is an extremely robust ink layer with outstanding light and weather resistance, maintaining its visual and mechanical properties even under the most demanding environmental conditions.

Employing the C-Mix 2000 P base colour range and mixing system, **SGF** series colours are approximately 35% more highly pigmented than the standard variants of the C-Mix 2000 system, providing significantly enhanced colour strength and opacity on transparent or weakly absorbent substrates. When this high opacity is not required, the colour can be adjusted by blending with clear varnish **SGF/E50**.

This system also allows for precise mixing of numerous individual colour shades, offering high flexibility in colour matching. Through the choice of specially selected ink binder materials, **SGF** series is BPA free, making it suitable for both indoor and outdoor applications, with its high resistance to UV exposure being enhanced by pigments with excellent lightfastness.

The **SGF** ink system's wide ranging adhesion allows use in multiple, diverse applications for both functional and decorative work on glass, metal, and various plastics.



SunVetro SGF is formulated to be free of:

- ❑ Aromatic solvents
- ❑ Bisphenol A (BPA)
- ❑ Butyl glycolate (GB ester)
- ❑ Cyclohexanone
- ❑ Phthalates
- ❑ Polycyclic aromatic hydrocarbons (PAHs)
- ❑ Solvent naphtha