

SQS G3

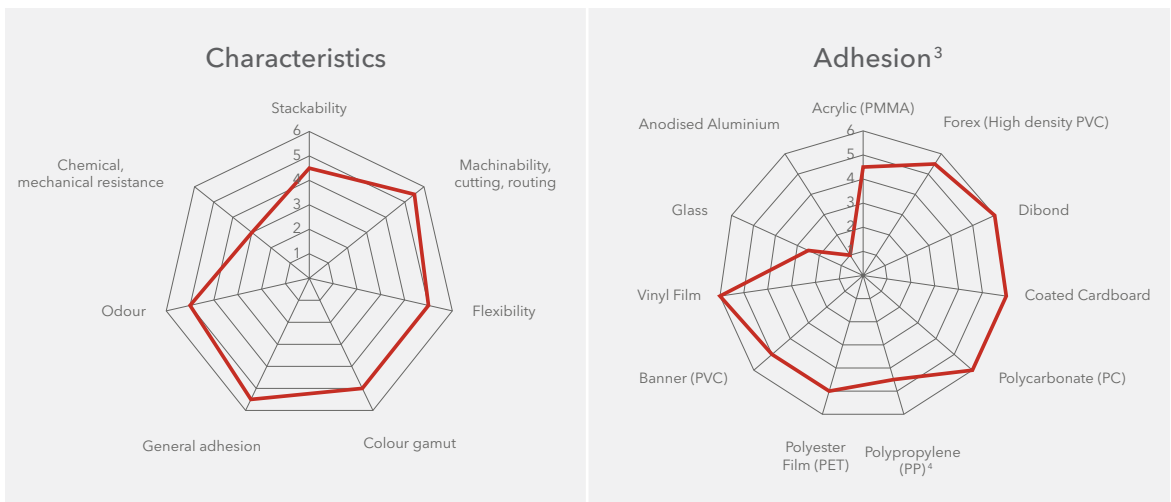
UNIVERSAL UV INK FOR FLATBED PRINTERS

The TPO-free SQS G3 ink with its balanced properties is a universal ink for a wide range of applications on swissQprint flatbed printers. Given its high flexibility and a broad adhesion spectrum, the ink is ideally suited for both rigid and flexible media. SQS G3 can be used with all configurations of swissQprint flatbed printers operating LED or mercury vapour lamps.

Range

	Process colours	Light colours	Spot colours	White	Varnish
5 l					
1 l					

Combination with other ink types possible (e.g. FS1 Neon Yellow, FS1 Neon Pink)



6 (excellent) - 1 (poor)

5-6 (highly suitable), 4-5 (suitable), < 4 (poor)

Data represents average values and refers to material selected by swissQprint. Values may vary due to different applications, materials or material batches.

1 Spot Colours OGV still in development. Release will follow

2 Varnish IF only suitable for mercury systems - for LED machines use KX varnish

3 Materials cleaned with IPA

4 Corona treated

Curing/Printheads

	KM512	KM1024	Q1024i
LED	×	✓	✓
Mercury	✓	✓	✓

Storage

The ink should be stored at temperatures between 5° C and 30° C.

Shelf life

15 months: CMYKcmk + Orange¹ + Violet¹ + Varnish IF²

12 months: White + Green¹

Tip

Combined printing with varnish improves

- Mechanical scratch resistance
- Chemical resistance
- Resistance of the ink layer to moisture
- For outdoor applications a protective coating is recommended!

Certificates

Available	Result
Light fastness	Under review - certificate follows
Heat post treatment - Colour fastness	Very good
Strechability	Under review - certificate follows
Heat resistance - long term (70°C / 100°C)	Under review - certificate follows
Greenguard Gold	Available

Conformity



UL certification, warrants low chemical emissions for interior print products.



No VOCs (Volatile Organic Compounds) are present in the ink. VOCs can be a risk for the human organism.



This ink does not contain the photoinitiator TPO - diphenyl (2, 4, 6-trimethylbenzoyl) phosphine oxide.



swissQprint confirms that the production of the UV-inks is free of animal-based substances. All swissQprint ink products are therefore vegan friendly.



Inks are compliant with the European Directive: Restriction of Hazardous Electrical and Electronic Equipment.

Unsuitable for

- direct contact with food
- food packaging (primary and also secondary packaging)

Please contact your local swissQprint partner or swissQprint sales/support for advice and prices

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This information has been carefully compiled on the basis of empirical data gathered in trials and samples that have been made available to swissQprint. Responsibility for product behaviour and suitability for specific applications rests with manufacturers of the printed products concerned. We recommend that said manufacturers thoroughly validate ink properties in relation to the printing substrate and any post-print processing.

Sales are subject to the General Terms and Conditions of Business in force.
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