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Laboratory Manager



NVTGL

**THE SUCCESSFUL SUN CHEMICAL UV-CURING GLASS INK
NOW ALSO MANUFACTURED IN NUREMBERG**

THE UV INK FOR PRINTING ON GLASS CONTAINERS, FLAT GLASS, CERAMICS AND COATED METAL

Coates Screen Inks GmbH has been successfully selling SunVetro™ VTGL ink range on the German and European markets for several years. SunVetro™ VTGL was developed and manufactured in the US and distributed by Coates Screen Inks GmbH. We mixed special colour shades for the German market from original finished products from the US. If necessary, we made a few colour matching modifications.

With increasing sales volumes, we decided to transfer production of VTGL for our customers entirely to the Nuremberg site. To distinguish the inks produced in the US from the inks manufactured in Germany, we have added the prefix "N" to the ink range name. Inks produced in Nuremberg are offered as **NVTGL** inks. These are primarily sold on the German and European markets.

The advantages of producing **NVTGL** in Nuremberg are obvious: short transport routes, no exchange rate, no customs procedures in Europe, shorter delivery times, faster matching of specific special customer requirements, quick availability of samples. There are no changes of processing parameters, use of auxiliary agents such as thinners and adhesion promoters.

COMPARABLE FORMULATIONS

Our NVTGL is the same technology as VTGL. Therefore the properties are comparable. The only difference is that we use raw materials sourced in Europe. Printers will not experience any differences.

OFFER AND RANGE

The majority of the previous VTGL standard colours are also available as **NVTGL**, identical colour codes. The colour range offered by us has been tailored to meet requirements of our sales regions. VTGL and **NVTGL** are fully compatible, therefore they can be used together from a technical point of view.



PROPERTIES

- Excellent adhesion on glass substrates
- Excellent printability on multi-colour screen equipment for containers
- Brilliant, high-gloss colour ranges
 - C-MIX 2000
 - Highly opaque colours
 - Bronze colours/metal gloss/effect varnishes
- BPA free version available

Excellent mechanical and chemical resistance:

- Commercial Dishwasher > 250 cycles/65°C
- Alcohol: >200 double rubs on glass surfaces
- Alkali: 5% Na/OH, 70°C/30 min
- Perfume: 24 h immersion
- Water and Ice: up to -18°C
- Pencil hardness: >3 h

SWITCHING FROM VTGL TO NVTGL

As **NVTGL** is an almost identical copy of VTGL there is little to consider except availability. We also offer the same additives, such as adhesion promoters, hardeners, and thinners. Please refer to our product data sheet **NVTGL** and you will note the obvious relation to VTGL. At present some of the special VTGL adjustments may not yet be available as NVTGL version. In these cases you can continue to use SunVetro™ VTGL produced in the US. Depending on demands in Germany and Europe we will continue to expand and adapt our **NVTGL** range.

CONFORMITY

Coates Screen Inks GmbH does not use any of the substances or mixtures for the production of printing inks, which are banned according to the EUPIA (European Association of the Printing Inks Industry) exclusion policy. Further compliance confirmations are available upon request.

ADDITIONAL INFORMATION ABOUT OUR PRODUCTS

Internet: www.coates.de • Service & Support, Technical Articles

COLOUR SHADES

C-MIX 2000 BASE COLOURS					
Mixing System for matching of PMS, HKS, RAL colours					
primrose	NVTGL-Y30	red	NVTGL-R50	green	NVTGL-G50
golden yellow	NVTGL-Y50	magenta	NVTGL-M50	black	NVTGL-N50
orange	NVTGL-O50	violet	NVTGL-V50	white	NVTGL-W50
scarlet	NVTGL-R20 Y/S RED	blue	NVTGL-B50	varnish	NVTGL-E50
OPAQUE COLOURS					
HD-yellow	NVTGL-Y38-HD	HD-red	NVTGL-R28-HD	HD-black	NVTGL-N70
HD-yellow	NVTGL-Y58-HD	HD-red	NVTGL-R58-HD	HD-white	NVTGL-W70
HD-orange	NVTGL-O58-HD				
4C-PROCESS INKS					
(CMYK according to SWOP-Scale)					
SWOP process yellow	NVTGL-S231	SWOP process black	NVTGL-S271		
SWOP process magenta	NVTGL-S240	transparent paste	NVTGL-TPS		
SWOP process cyan	NVTGL-S235				
SPECIAL PRODUCTS					
Overprint varnish	NVTGL-C50	frost effect lacquer	NVTGL-63/00		
Matt varnish	NVTGL-MC1	Brilliant white	NVTGL-36003		
Clear varnish, thixotropic	NVTGL-70/00				

Matching of PMS, RAL, NCS colours and special shades upon request. In some individual cases the product characteristics of special colour shades and modifications of this ink type manufactured upon customer request may differ from the above properties.

For technical questions please contact our laboratory and applications specialists.