

TCV 6600

Type

Flexible, glossy, opaque air-drying ink.

Application

Can be used to print on most nylon and polyester fabrics, such as umbrella's, shirts, flags etc. Also suitable to print work uniforms.

General

The TCV inks are flexible and have a good washing fastness. To further improve washing fastness, TCV Catalyst can be added.

Drying

The TCV inks dry by evaporation of the solvents. When air dried, the ink is dry after 30-60 minutes. The prints must then be dried in a drying rack for 6-8 hours in a well ventilated area.

The ink can be force dried at 100 °C for 2 minutes. When the prints can be stacked depends on the added thinner, temperature, ventilation, printed material and ink layer thickness.

Be careful when printing double sided, printing multiple layers or tunnel drying.

Adhesion

Ink adheres well to materials mention under 'application'. Nylon and polyester materials are often coated with a substance that negatively affects adhesion of white. To improve adhesion to these materials, 10% **TCV Catalyst** can be added to the ink. Solvent and wear resistance will improve but flexibility will decrease. Always make a test print to determine adhesion and flexibility, which can be determined after 12 hours.

Opacity and gloss

TCV inks have a high opacity and are suitable to use for printing dark materials. The inks have a beautiful gloss.

Light fastness and weather resistance

All colours have a good light fastness when printed in fulltone. The thicker the layer of ink, the better the light fastness. Light fastness decreases when ink is extended using white or TCV Extender Base. The inks are weather resistant.

Elasticity

The inks are elastic and can withstand stretching or shrinking of the material. If a higher elasticity is required, **TCV Flexibility Additive** can be added to the ink.

Thinner

Before adding thinner, stir the ink well. Use 10% **Thinner 61** for regular use. When printing fine details or working in high temperatures, **Retarder 7** or **Retarder 4** (extra slow) can be added. In case of too much absorption, thinner or retarder can be replaced by an equal amount of **Gelretarder CL** or **Gelthinner**.

Catalyst

When adding 10% **TCV Catalyst**, stir the ink well first. Only add thinner or retarder after properly mixing in the catalyst.

TCV Flexibility Additive

10% TCV Catalyst can improve the ink flexibility on thin fabrics. Add in the following ratio: 90 mass parts TCV ink (mixed with thinner) and 10 parts TCV Flexibility Additive.

Pot life

After adding the catalyst, the ink can be used for 8 hours. After that, the ink cannot be used for printing.

Mesh

All types of mesh can be used.
49-70 - 100-40 T mesh yields best opacity
34-100 - 62-64 T mesh for fine details
77-55 - 100-40 T mesh gives best overall results

Mesh cleaning

Mesh should be cleaned immediately after printing. We recommend using **Screenwash LOD** or **Screenwash GA**.

Test prints

Please, continually make test prints before moving on to printing the complete order.

This technical information is meant to be a guideline. Even though the information is given after detailed examination and to the best of our knowledge, AGA Color Solutions Europe b.v. can take no responsibility for it.



TCV 6600



021 White



001 Black



043 Mid Chrome
(± pms 7548C)



045 Yellow
(± pms 116C)



127 Deep Violet
(± pms 2725C)



134 Red
(± pms 185C)



154 Fuxia
(± pms 231C)



162 light Red
(± pms 485C)



212 Blue
(± pms 2728C)



227 Light Blue
(± pms 298C)



320 Green
(± pms 3278C)



381 Extender Base

