GP 5500

Type
Highly glossy PVC ink with only a slight odor. Suitable for hand and pad printing.

Application
On medium soft and hard PVC materials, most types of self-adhesive vinyl, vinyl coated polyester, polyacrylates (perspex, plexiglass etc. and many other synthetic materials and synthetic mixtures. Not suitable for very soft PVC.

General
Due to their slow drying time, the GP 5500 inks are pre-eminently appropriate for hand printing. Drying in into the mesh hardly occurs, which makes the ink easy to use for less experienced printers.

Drying
The GP 5500 inks dry by evaporation of the solvents.When air dried, the ink is hand dry after about one hour, dependent on the thinner added, type of mesh, surrounding temperature, ventilation etc.

A high percentage of plasticizer in the printed material might considerably influence the drying time. In soft, weak PVC types, the solvents can penetrate deeply into the material and remain there, so that an apparent dry ink film sticks together again in the pile (also with polystyrene and other hard synthetic materials you have to be very careful). Therefore it is necessary to let the ink dry sufficiently (6-8 hours), sometimes even longer, before piling up. If a longer drying time poses a problem, use the Multiplast 300 series instead.

Adhesion and opacity
Adheres well to materials mentioned under 'application'. Because types of plastic can be difficult to distinguish, please test the ink before printing orders. Judgment of adhesion is possible after approx. 12 hour. This ink series has a high opacity.

Light fastness and weather resistance
The light fastness of all colours is good in fulltone. The thicker the ink layer, the better the lightfastness. Extending with white or clear decreases the lightfastness. GP 5500 inks have a good weather resistance..

Elasticity
The GP 5500 inks are sufficiently elastic and are suitable for deep-drawing. For printing of double sided stickers, where multiple layers have to be printed, we recommend using the Multiplast 300 series.

Ink usage
Diluted with 20% thinner:
100-40 (T) mesh: ca. 45-50 m²/ltr
120-34 (T) mesh: ca. 50-60 m²/ltr

Thinners
Stir ink before diluting. For normal use, dilute with approx. 20% **Thinner 13**. In case of high surrounding temperatures or printing of fine details, use 20-25% **Retarder 8**. Can be sprayed when diluted with 40-80% **Thinner 11** and applied with a brush when diluted with 20-50% **Thinner 13**. Adding too little of thinner or retarder can be detrimental to drying and printing qualities of the ink.

Extension
To lower the intensity of the colours (or to obtain semi-transparent effects), GP 5549 Clearcan be added in every proportion. However, this reduces the lightfastness, depending on the percentage added.

Mixing colors
The colormatic mixing system consists of the colors A to M and clear, with accurate recipes to mix PANTONE® colors, Visprox colors or colors from other systems. (When printed on a white surface with a 100-40(T) mesh).

Halftone printing
For printing of very fine lines or printing in halftone, GP 5550 base
tix can be added (5-35%). Decreases color intensity, opacity, gloss and light fastness.

Mattifying
The GP 5500 gloss can be reduced by adding Visprox mattifying paste. Depending on the desired result, add 10-30% of the paste.

Varnish
The GP 5500 gloss can be increased by using GP 5549 Clear as a varnish. Also suitable to use to increase weather resistance. GP 5545 Clear Flat can be used as a mattifying varnish.

Silver, Pale en Rich Gold
Silver, rich en pale gold need to be varnished with Clear base when used outside to increase weather resistance. In mixed form, the gold and silver colors have a limited potlife. However, pastes are available (See **Visprox Additives**) to mix your own inks according to your needs.

Halftone printing
For printing in halftone, GP 5551 yellow tix. GP 5552 cyan tix, GP 5553 magenta tix and GP 5554 black tix are available. These colours have a good light fastness. GP 5549 base tix can be added in every proportion to adjust color intensity.

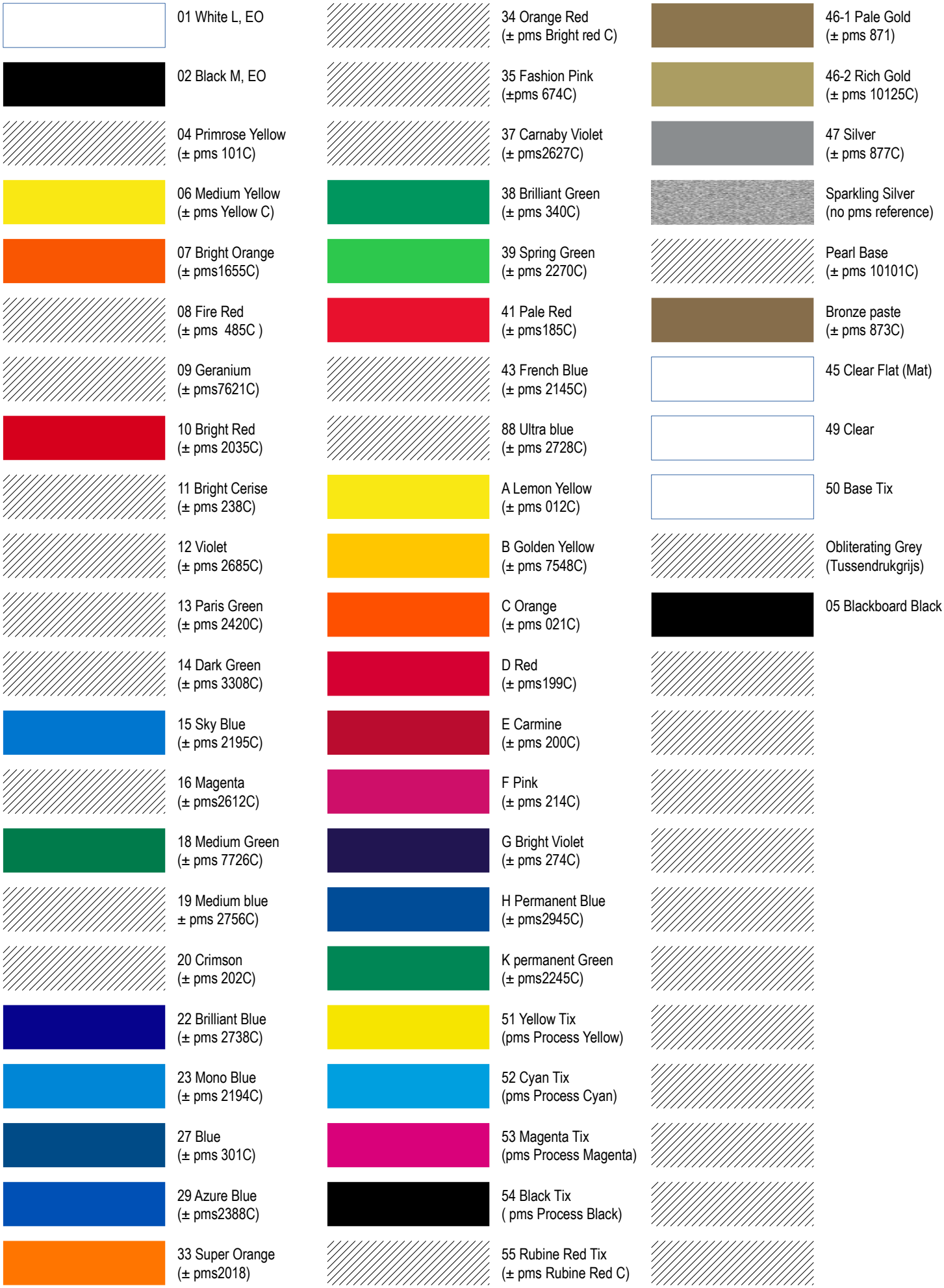
Mesh
All types of mesh can be used. Meshes between 77-55 (T) and 120-34(T) give the best results.

Mesh cleaning
Mesh needs to be cleaned immediately after printing, use **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.

visprox GP 5500



The PMS references are an approximation when printed using 100T mesh. Type of mesh, degree of dilution and type of light can affect the results.