

FREE

Type

Series of PVC-free plastisol inks for textile printing. In compliance with the main ECO-friendly specifications. Oekotex Standard 100 and GOTS certified. Use as you would normally use plastisol ink, since this ink has got all the printing and drying qualities of regular plastisol inks. Suitable for ready-to-wear or pre-cut articles.

Application

The FREE ink series is a versatile 'soft touch' plastisol ink. Developed for printing on both dark and light colored t-shirts, sweatshirts, etc. Can be used on cotton and cotton/polyester blends.

General

The FREE inks are high quality PVC-free inks that has all the qualities of a modern plastisol ink because of its unique composition. A pliant ink, both in use as well as in print. The ideal basis for every screen printer.

Drying

After printing, FREE inks should be fixated thermally. The ink is fixated when all the ink and the material to be printed reach 150°C. Duration of fixation depends on layer thickness of the ink, thickness of material and type of drying tunnel. A guideline is 2-3 minutes at a temperature of 150°C.

Up to 15% FREE Quick Gel 557 can be added to shorten fixation time. Also improves rubbing resistance and elasticity.

Always check the result after fixation, and do not blindly trust the thermometer of your equipment. Temperature strips can be a very useful tool to determine the right fixation temperature under your working conditions.

For a quick check, the material and print can be stretched after having cooled down. If the print returns to original state without having cracked, it can be assumed that the ink has been properly fixated. Wash the material according to the instructions to check whether material and print are resistant to washing repeatedly, as should be the case when ink has been fixed completely.

Chemical resistance

The FREE inks are resistant to detergents, soap, mineral oils and sea water. They are not resistant to aggressive aromats and ketones, strong acids and lyes.

Thinners

Free inks are ready-to-use inks that can be thinned using FREE thinner if necessary. It is not possible to use other thinners.

Colors

The FREE series consists of Standard colors for mixing, OP colors that are opaque and Process colors that can be used to print in half tone.

If the color 170.205 Red is used to print without being mixed with other colors, we recommend mixing it with at least 25% 170.214 Transparent to prevent transferring of the color.

Washing fastness

Great washing fastness at 40° C. Wash inside out to prevent mechanical damage.

Not resistant to dry cleaning. Only iron printed parts from the backside.

Potlife

The FREE inks have a potlife of 12 months, with the exception of Anti-bleeding gray, which can be used up until 6 months.

Mesh

Best results will be achieved using 27-61 T mesh. Max. 120 T.

Mesh cleaning

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

Test prints

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

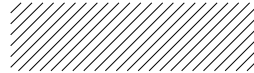
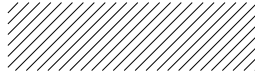
This technical information is meant to be a guideline. Even though the information is given after detailed examination and to the best of our knowledge, AGA Color Solutions Europe b.v. can take no responsibility for it.



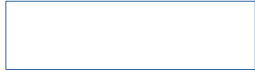
FREE



213 Flash White



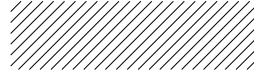
200 Bright Silver



212 Mixing White



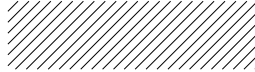
230 OP Lemon Yellow
(± pms 109C)



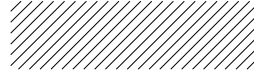
200 Silver
(± pms 877C)



200 Black



200 OP Warm Yellow
(± pms 137C)



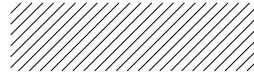
200 Gloss Gold
(± pms 872C)



201 MS Light Yellow
(± pms Yellow 012C)



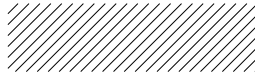
232 OP Medium Yellow
(± pms 2010C)



200 Gold



202 Yellow
(± pms 116C)



200 OP Orange
(± pms 021C)



215 Anti Bleeding Gray



203 Orange
(± pms 172C)



233 OP Bright Red
(± pms 1795C)



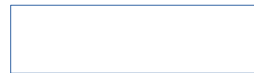
214 Transparant



204 Scarlet
(± pms 185C)



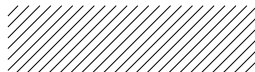
200 OP Carmine Red
(± pms 1935C)



260 3D Transparant



205 Red
(± pms 1945C)



200 OP Fuxia
(± pms 240C)



805 Yellow (flour)



206 Fuxia
(± pms 227C)



234 OP Medium Red
(± pms 485C)



806 Bright Orange (flour)
(± pms 804C)



207 Violet
(± pms 2695C)



200 OP Violet
(± pms 7672C)



807 Red (flour)
(± pms 805C)



209 Light Blue
(± pms 2728C)



200 OP Ultramarine Blue
(± pms 2126C)



808 Pink (flour)
(± pms 806C)



208 Blue
(± pms 3005C)



236 OP Dark Blue
(± pms 2119C)



809 Green (flour)
(± pms 802C)



210 Navy Blue
(± pms 2747C)



200 OP Blue
(± pms 2146C)



211 Dark Blue
± pms 561C)



200 OP Navy Blue
(± pms 289C)



200 OP Sky Blue
(± pms 2173C)



200 OP Green
(± pms 3295C)



235 OP Brilliant Green
(± pms 355C)



861 Yellow
(pms Process Yellow)



862 Magenta
(pms Process Magenta)



863 Cyan
(pms Process Cyan)



864 Black
(pms Process Black)

