

## **NEW IRIDE I**

**From the Greek Iris: IRIS is the rainbow.**

We meet IRIS in the Greek myth - she was a minor divinity, messenger of the Gods, charged with the ominous task to predict misfortune to humans. Sister of the harpies, she was the personification of the rainbow.

Now, the fact that, this atmospheric phenomenon shows the full spectrum of the visible colors to the view, led to the connection of the Iris to objects and phenomena that present variegated and iridescent colors. For this reason, the name of Iris was attributed to the membrane that regulates the passage of the light into the eye, a pigmented membrane that can present the most disparate colors.

Furthermore, the optical characteristic of the iridescence is typical of bodies that show themselves as colored as the rainbow - a moving color that varies according to the lighting and depending on the angle from which they are viewed.

And it is from this legend that CTA® presents its new collection NEW IRIDE. A collection made of cotton satins and full ranging home furnishing articles. Ideal fabrics for various uses, from curtains to bedspreads, sheets and pillow cases and also valid for the hospitality world.

## **PLATINO**

PLATINO is a deluxe satin in 100% cotton - double twisted thread extra long staple (the best cotton quality, Staple refers to the length of the cotton fiber: the longer the fiber, the better, because it produces stronger and thinner yarns). Thread Count 600.

Shiny and compact, thanks to its wide range of colors, it is usable for curtains, decoration, table set, household items, bedspreads and pillow cases. Thanks to its high degree of abrasion resistance PLATINO is also suitable as upholstery for seats for a non-intensive use. It is presented in 25 colors both indanthrene, resistant to industrial washing at 60° degrees and in reactive colors.

Available in width cm 295/300, it can be coordinated with article Zaffiro.

## **ZAFFIRO**

Pure fine cotton satin, silky effect, Thread Count 300.

*Zaffiro* is a passepartout article, excellent compromise between style and quality. It is available in 49 colors both indanthrene, resistant to industrial washing at 60° degrees and in reactive colors. ZAFFIRO is suitable for bedding, accessories for the room and curtains and it can be coordinated with article Platino. Available in width cm 300/305.

## **ZAFFIRO ANTIBATTERICO**

ANTIBACTERIAL ZAFFIRO has been presented only in white color and it is the result of a treatment with antiviral and antibacterial properties. It is eco friendly and OEKO-TEX certified. It is perfect for making bed linen and its treatment eliminates in a lasting way harmful bacteria and it actively inhibits the virus. Designed for the home world, ANTIBACTERIAL ZAFFIRO - with its brightness - effectively responds to the needs of the hospitality world and of the nursing homes which can count on one more weapon against viruses and bacteria since this treatment operates in the reductions of viral activity up to 90%.

OEKO-TEX certification guarantees healthiness in the use of the fabric and it doesn't cause allergies or skin irritation. The physical and mechanical properties of the fabric remain unaffected, leaving the feel of the fabric comfortable and fresh; the effect of the finishing lasts for multiple washes up to 60°. Available in width cm 295/300.

### **MARGARITA ANTIBATTERICO**

ANTIBACTERIAL MARGARITA has been presented only in white color and it is the result of a treatment with antiviral and antibacterial properties. It is eco friendly and OEKO-TEX certified. It is perfect for making bed linen and its treatment eliminates in a lasting way harmful bacteria and it actively inhibits the virus. Designed for the home world, ANTIBACTERIAL MARGARITA, effectively responds to the needs of the hospitality world and of the nursing homes which can count on one more weapon against viruses and bacteria since this treatment operates in the reduction of viral activity up to 90%.

OEKO-TEX certification guarantees healthiness in the use of the fabric and it doesn't cause allergies or skin irritation. The physical and mechanical properties of the fabric remain unaffected, leaving the feel of the fabric comfortable and fresh; the effect of the finishing lasts for multiple washes up to 60°. Available in width cm 295/300.

### **MARGARITA**

MARGARITA, 100% pure mercerized Mako' cotton percale fabric, dream coated. Thread Count 200.

It is particularly valuable and it is made up of fine yarns with a dense structure; it is obtained by working the plain weave cotton, a technique that foresees a perfect perpendicularity between weft and warp. The thinner the thread used for weaving, the higher the quality and the lightness of the fabric. It is suitable for curtains, bed linen and for home accessories. Available in width cm 295/300.

### **SIESTA**

SIESTA, 100% pure mercerized Mako' cotton extra percale fabric - dream coated. Thread count 260.

It is particularly valuable and it is made with very fine combed cotton yarns with dense structure; It is obtained by working the plain weave cotton, a technique that foresees a perfect perpendicularity between weft and warp. The thinner the thread used for weaving,

the higher the quality and the lightness of the fabric. Soft and velvety to the touch, suitable for high quality linen, curtains and home accessories. It is fresh, resistant and easy-care. It is available in width cm 295/300.

## **PEPPER**

PEPPER polycotton canvas, named the "combined modern fabric", it is made of synthetic and natural threads. The presence of synthetic threads doesn't allow the fabric to wrinkle and the natural ones guarantee the hypoallergenic and environmental compatibility. The polycotton is one of the most popular mix fabrics and it is widely used for bedding, curtains and home accessories. Available in width cm 280.

## **MANGO**

MANGO 100% pure cotton satin, mercerized silk, coated and dyed with reactive colors by the best Italian finishing Companies. Thread count 200. MANGO is a thin, shiny, flat and with a soft hand fabric. Produced with satin weave, the binding points of which are thin and widely distributed so as to appear hidden. Available in 25 colors and suitable for curtains, home accessories, bedspread and pillow cases. Width cm 300/305.

## **SAMBA**

Cotton canvas is the simplest weave fabric, it is sturdy and durable. It is the most used in the world. Its surface is the same on the front and back side realized with this very simple weave. Its matt appearance is due to the use of short cellulose fibers which are in the capsule that contains the seed of the plant. SAMBA is our extra canvas in 100% pure cotton, coated and dyed with reactive colors by the best Italian finishing Companies. It is available in 67 colors. Useable for curtains, home accessories, bedspread and pillow cases. Available in width cm 300/305.

## **ZINCO**

ZINCO is a pure cotton anti-feather fabric. Zinco is created by weaving tightly weft and warp so that not even the smallest feathers can escape. On the other hand it allows for a certain passage of air to allow feathers and duvet to express all their characteristics. The best cotton yarns are used for the processing of this fabric, obtained from the long fiber cotton variety. This textile material is chosen by virtue of its peculiar characteristics: hygroscopicity, resistance, ability to withstand repeated washing. Available in width cm 160.

## **OXY**

OXY: Microfiber in white variant only, in 100% PL. Microfiber is a synthetic material generally made of 2 polymers, Polyester and Polyamide (nylon) in different percentages. They are the two physical and chemical characteristics that make Microfiber superior to traditional fabrics. Its semi recent success history is the confirmation of the qualities of this very light and durable synthetic textile fabric. The main characteristic is its capillarity. It is 3 times thinner than cotton and it is even 2 times thinner than silk. Available in width cm 280.

## **GRANO**

GRANO: soft pure cotton flannel normally used to line decorative curtains and as tablecloths for table protection. The product is available in width cm 295/300 in two colors. Washing in water before confection is recommended. For the curtains, lined with flannel, dry cleaning is recommended.

## **AZALEA**

AZALEA: It is a pure cotton gauze, soft and voluminous, it is normally used to line decorative curtains and as tablecloths for table protection and to make guests more comfortable. After the shrinking process due to the cleanings, the fabric reaches 500 gr/mq approx and optimally guarantees the two above described characteristics. It can be used as a spread cloth or with a perimeter elastic.

The spinning, weaving and finishing operations are entirely carried out in Italy and respect the criteria of OEKO-TEX STANDARD 100. Available in two different widths: cm 150 and 180.

## **BISTROT**

BISTROT is a pure cotton plasticized gauze; normally used as tablecloths for table protection and to make guests more comfortable.

The plasticization with non-toxic PVC makes the product water repellent to offer a total protection to the table, The fabric has a weight of approx 650 gr/mq and spread use is recommended. The spinning, weaving, finishing and plasticization operations are entirely carried out in Italy and respect the criteria of OEKO-TEX STANDARD 100. It is available in two widths: cm 140 and 174.

## **AVIO**

AVIO is a non woven plasticized felt, normally used as tablecloth for table protection and to make guests more comfortable. The non-toxic PVC plasticization makes the product water proof to offer a total protection of the table. The felt reaches a weight of approx 450 gr/mq

and it is used spread or with a perimeter elastic. The production and plastification operations are entirely carried out in Italy. Available in two widths: cm 140 and 174.

## **MOGANO**

MOGANO (80%CO 20%PL PVC coated) is normally used as mattress protection or in any case, where it is necessary to protect and retain liquids. The plasticization with non-toxic PVC makes the product water-repellent to offer total protection. The fabric reaches 480 gr/mq approx; The spinning, weaving, finishing and plasticization operations are entirely made in Italy. The fabric is also useable in the healthcare sector since it withstand repeated industrial washings and high temperatures and it can be tumber dried and sterilized. Available in width cm 140.

## **LAS VEGAS**

The green cloth is ideal to create the same atmosphere of the game rooms. The table cover is smooth, comfortable to the touch and of excellent quality, it softens the game of chips and helps to scroll throught the playing cards. Available in width cm 150 in 6 colors.

## **GLOSSARY**

### **INDANTHRENE**

INDANTHRENE (IDH) is the commercial name of a group of light-stable artificial organic dyes and stable to atmosphere agents and detergents. The indanthrene dyeing occurs first with an initial solubilization of the dye that once soluble penetrates the fibers. Subsequently the oxidation makes the dye molecule insoluble, blocking in this way the escape from the fibers. The dye is permanently bound to the fibers. This class of dyes has an high light and atmosphere agents resistance and withstand washings with chlorine and bleach. All the products made with indanthrene fabrics can suffer the attack of chemicals and disinfectans without loosing their initial characteristics. It is resistant to industrial washing (60 degrees) and for this reason all indanthrene dyed fabrics have higher quality.

### **REATTIVI REACTIVE DYES**

Reactive dyes are one of the newer classes of dyes for cellulose fibers but actually they have a history of almost a century behind them:the first experiments with this kind of substances date back to the late 1800s but their extensive commercial use started in the 1950s. The introduction of this dye class has brought a large number of benefits to our industry. It is a chromophore able to react with the hydroxyl group of the cellulose, allowing in this way

the application of dyeing on cellulosic fibers. The strong point of the reactive dyes is the quality of the color. Firstly, this dye class has a wide range of colors and shades at disposal among which the brightest ones stand out and for this reason it is a very suitable choice when selecting the type of finishing. Regardless of the chromatic choice, the reactive dye is destined to remain intact over time. Indeed, reactive dyes boast a strong color fastness that allow them to resist degradation because of time, environmental conditions and use of the products.

## **THREAD COUNT**

The best quality cotton is the "Extra Long Staple" or ELS. Staple refers to the length of the cotton fiber, the longer the fiber the better because it produces stronger and thinner yarns. In a cotton bed sheet the warp and weft yarns can be counted in one inch each, the THREAD COUNT (TC) is the sum of the two numbers. Thin yarns allow to obtain lighter and softer fabrics. The highest THREAD COUNT are obtained with finer yarns since a larger number of threads can be inserted in one-inch square. Super fine yarns can be twisted together to create two-ply yarns that allow to produce a stronger fabric.