

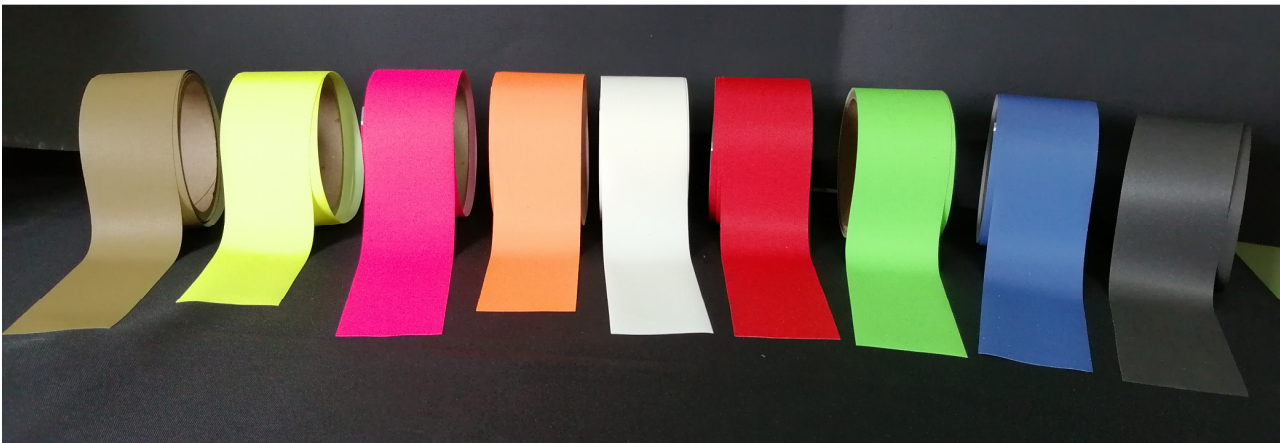
**GENERAL CHARACTERISTICS**

The product basically consists of microspheres having known reflective index partially incorporated in a removable polyester (front layer) and permanently bonded to a **elastic** thermoadhesive., through a colored polyurethane binder.

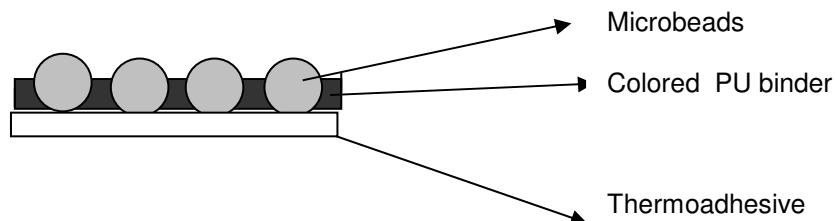
The thermoadhesive, polyurethane base, have a excellent adhesion to the most common type of fabrics.

RETROLUX TT 400 REFLECTIVE COLORS are a range of reflective transfers designed for:

- to give an excellent aesthetic effect to the garment
- application on elastic fabrics or light clothes (t-shirt, polo)
- improve the retro-reflection on clothing in conditions of poor visibility
- offer a good resistance of the clothing to repeated domestic washings



**PRODUCT SCHEME**



<b>Total thickness:</b>	250-270 Mycron
<b>Reflective layer thickness:</b>	180-190 Mycron
<b>Front layer:</b>	Polyester
<b>Thermoadhesive:</b>	polyurethane elastic

**REFLECTIVITY (0,2/5°)** from 25 to 60 cd/lux·m<sup>2</sup>

### **WASHING PERFORMANCES**

RETROLUX SUPER TT 400 reflective colors keeping good appearance and reflectivity after:.

**50 cycles** at 40 °C (ISO 6330)

### **Wash guideline**



**Minimum temperature: 30 °C**  
**Maximum temperature: 40 °C**

**Detergent:** Use only ECE type A without perborates

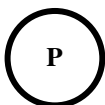


- **Optical brightness, perborates or additional bleaches, reduces washing performances of Retrolux TT 400 colored**
- **Do not use organic solvents, chlorine bleaches and alkaline products (pH>8).**
- **Do not exceed 40 °C during wash**
- **Do not exceed 120 °C during drying**

### **Drying Conditions**

- **Air drying is recommended**

### **Dry cleaning**



Use pure Perchloroethylene

### **ADDITIONAL INFORMATION**

The product is available in a **wide range of colors**  
For more information contact IRC Spa

The material is supplied in rolls of 50 linear meters length and in all widths from 1 cm till 1 meter.  
The cut tolerance is  $\pm 1.5$  mm.

The thermotransfers of the Retrolux series can be cut with lasers.

We recommend to make a specific machine adjustment with preliminary tests on the Retrolux reflective transfer, to avoid problems of removing the scraps or dragging the reflective part in the removal of the scraps.

#### *IRONING:*

Use cool IRON (110°C)



### **NOTICE TO USERS**

**Size of rolls:** Custom cutting in several widths is possible (maximum width:100 cm)

### **APPLICATION**

**RETROLUX TT 400 COLORED HAVE GOOD ADHESION TO VARIOUS TYPES OF SUBSTRATES SUCH AS POLYESTER, COTTON, RUBBER, PVC, LEATHER ETC. WATER REPELLENT OR WATERPROOF FINISHES ON THE SUBSTRATE MAY REDUCE THE THERMAL BONDING STRENGTH.**

### **CONDITIONS OF APPLICATION**

**TEMPERATURE:** 155 - 160°C

**HEATING TIME:** 10/15 seconds

#### *NOTES:*

The parameters stated above are obtained from internal tests performed on some common types of substrates (polyester/cotton).

The pressure to be used and the heating time are **strictly dependant on the type of plant used and the substrate** on which RETROLUX TT 500 colored must be applied.

**BEFORE HOT MELTING RETROLUX TT 400 colored ON ANY TYPE OF SURFACE PRELIMINARY TESTS MUST BE CONDUCTED TO DETERMINE THE OPTIMUM CONDITIONS OF BONDING.**

### **PRINTABILITY**

The product correctly transferred and in any case without the front liner, can be printed using inks suitable for polyester or other inks, carrying out preliminary adhesion tests.

We recommend the application of the ink with screen printing technique, good results have been obtained with digital printing with ecosolvent inks.

The correct adhesion of the inks must also be verified by subjecting the printed product to repeated washing.

### **STORAGE**

Retrolux reflective transfer must be stored in a cool and dry area, we recommend temperatures between 15 and 25 °C and relative humidity less than 70%.

Retrolux reflective transfer must be stored in their original box and used within 1 year of receipt.

**FOR FURTHER INFORMATION CONTACT IRC S.p.A - Italy**