

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 thermoadhesive, through a colored polyurethane binder.

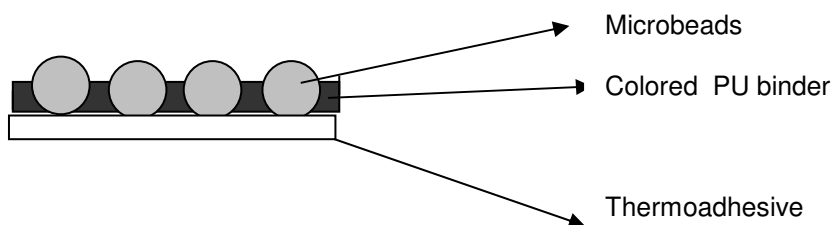
The thermoadhesive, co-polyester base, have a excellent adhesion to the most common type of fabric.

RETROLUX TT 500 REFLECTIVE COLORS are a range of reflective transfers designed for:

- to give an excellent aesthetic effect to the garment
- improve the retro-reflection on clothing in conditions of poor visibility
- offer a good resistance of the clothing to repeated domestic washings



PRODUCT SCHEME



Total thickness:	250-270 Mycron
Reflective layer thickness:	180-190 Mycron
Front layer:	Polyester
Thermoadhesive:	co-polyester rigid

TERMOTRANSFER

TT 500 REFLECTIVE COLORS

Rev. 02 dated 20/03/2020

REFLECTIVITY (0,2/5°) from 25 to 60 cd/lux·m²

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

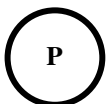


- Optical brightness, perborates or additional bleaches, reduces washing performances of Retrolux TT 500 colored
- Do not use organic solvents, chlorine bleaches and alkaline products (pH>8).
- Do not exceed 40 °C during wash
- Do not exceed 120 °C during drying

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 ± 1.5 mm.

The thermotransfers of the Retrolux series can be cut with cutting plotters, with dies and with laser.

For the kiss cut, 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 500 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: 150 - 155°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 500 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