

RETROX[®]

REFLECTIVE MATERIALS



RETROX[®] REFLECTIVE FILMS – HEAT TRANSFER

RETROX[®] reflective materials work on light reflection principle. Light rays (e.g. from vehicle headlamps) hit the surface of reflective material and then are reflected back to the source. RETROX[®] reflective materials improve the visibility during the night or in poor visibility. The base of RETROX[®] reflective materials is highly reflective, metallized, glass microbeads.

Use:

- workwear, sportswear, fashion t-shirts, cycling jerseys, reflective logos on professional and promotional clothing, etc.

Properties:

- high reflective efficiency
- easy application of the heat transfer film by heat press machine
- very good reflective properties even after multiple washing and chemical cleaning
- in accordance with EN 20471

After processing according to EN 20471 Art. 6.2, durability is always determined by the underlying fabric, to which the reflective film is applied. The most suitable materials for the use of RETROX[®] heat transfer films are cotton and polyester materials.

Made in Czech Republic.


The production of RETROX[®] reflective materials is based on the research and development of SPUR a.s.















SPECIFICATION	EN ISO 20471
DIMENSIONS AND PACKAGING	
Max roll width	60 cm
Tape width	2,5 cm; 5 cm *
Packaging /standard coil/	100 lm

* If requested, different tape widths can be produced and logos or symbols cut out on a plotter

Recommendation for treatment

- Do not use a chlorine bleach. 
- Avoid long soaking before washing.
- Do not use any bleaching agents.
- Do not use solvents to remove dirt.

RETROX[®] REFLECTIVE FILMS – HEAT TRANSFER | PRODUCT OVERVIEW

Type	Colour	Base material	Washing cycles
TRUMF NA		Elastomeric heat transfer layer	60 washing cycles at 60 °C  30 chemical cleaning cycles 
TRUMF NA HATCHED		Elastomeric heat transfer layer	60 washing cycles at 60 °C  30 chemical cleaning cycles 
TRUMF NA COMBINED		Elastomeric heat transfer layer	25 washing cycles at 60 °C  5 chemical cleaning cycles 
TRUMF NA YELLOW		Elastomeric heat transfer layer	40 washing cycles at 60 °C  30 chemical cleaning cycles 

Recommended conditions for application of heat transfer film:

1. The recommended temperature for thermotransfer application is 145 °C, pressure approx. 3 kg/cm², time approx. 10 s
2. After cooling, carefully remove the protective transfer film
3. Re-iron the material without the protective film through a silicone paper – 145 °C, pressure approx. 3 kg/cm², ironing time approx. 10 s

The application method of the RETROX[®] heat transfer film may slightly vary depending on the material, to which RETROX[®] is applied. RETROX[®] heat transfer film has EXCELLENT ADHESION TO THE MOST COMMON FABRICS.