



# Product Information

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## THERMOREFLEX PLUS<sup>®</sup>

**Description** Plotter cut reflective heat seal material with polyester backing, with the following colorimetric data:

**Trichromatics coordinates:**

**x = 0,3077 y = 0,3263 Luminescence: Y = 23,6**

Reflection information are detailed in the enclosed chart (next page).

The material, when applied correctly on the most common types of textile, fulfils broadly all requirements set by EN ISO 20471 regulations.

Suitable for cotton, polyester, blends of these materials, not treated or dye sublimated fabrics.

### Usage

- Mirror cut the material
- Weed the exceeding material
- Place the material on the garment with its polyester backing
- Heat apply for 3"
- Remove the support cold
- Cover with silicon paper or Teflon<sup>®</sup>
- Heat apply for further 10"

### Washing

Wait at least **24 hours** from application before washing.  
Washing resistance for 50 cycles at **60°C**, best inside-out.  
Do not use bleach or other aggressive chemical agents.  
Suitable for dry cleaning with perchloroethylene for 30 cycles  
Suitable for tumble dryer, cotton cycle.

The product is REACH compliant



**Average thickness**  
155 microns



**Suggested cutting settings**  
blade new at 60°  
pressure 120 gf  
speed 15 cm/sec



**Transfer settings**  
3 seconds at 150°C (300°F)  
medium pressure  
(3-4 bar)  
**Fixing**  
10 seconds at 150°C (300°F)  
medium pressure  
(3-4 bar)

Washing temperature



Dry cleaning



Tumble dryer



**N.B.** All information here contained are based on our experience.  
We recommend to perform a test before starting standard production.  
For best results we suggest to store the product away from sunlight and dust, in vertical position and at temperatures between 18°C and 26°C



Management System  
ISO 9001:2015



www.tuv.com  
ID 9105027958

The product meets the Italian and EU regulations relating to its proper use, and to the (EU) regulation n. 1907/2006/EU REACH (Registration, Evaluation, Authorization and Restriction of Chemical substance).

This document can be subject to variations.

Updated versions are available on our website [www.siser.com](http://www.siser.com)

For further information, please contact our Sales Office.

Thank you

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## REFLECTION (Cd/lux-m<sup>2</sup>)

Divergence Angle	Illumination angle			
	5°	20°	30°	40°
12'	519-525	542-551	374-442	146-179
20'	330-360	338-366	300-316	139-171
1°	29-44	28-37	22-25	26-39
1°30'	13-18	10-11	13-21	8-9

*The values reported are measured on the material before heat application.*

*They can change depending on the textile of application or on different application conditions.*



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