

THERMOREFLEX 2000

Description Plotter cut reflective heat seal material with polyester backing. 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.
Average thickness: **180 micron**

Basic information Due to the many different base materials available on the market, the following heat transfer instructions are given as a guideline only:
Plotter settings (eg. with Roland plotter GX24R)
Blade: **new at 60°**
For better cutting results we suggest to use high thickness materials blade
Minimum required pressure: **120 gf**
Transfer setup
Temperature: **150°C**
1st step – Temp.: **150°C** Time: **2-3"** Pressure: medium (3 ÷ 4 bar)
2nd step – Temp.: **150°C** Time: **10"** Pressure: depending on the desired effect

Application instructions Mirror cut the material
Weed the exceeding material
Place the material on the garment with its polyester backing
Heat apply for 2-3"
Remove the support cold
Cover with silicon paper
Heat apply for further 10"

Suitable textiles Cotton, polyester and blends of these materials
(not suited for treated and dye sublimation fabrics)

Washing instructions Wait **24h** after the heat transfer
60 dry cleaning cycles in Perchlore-ethylene (ISO 3175) – 60 washing cycles at 60°C (ISO 6330/2A) – 30 washing cycles at 90°C (ISO 6330/1A)
Dry clean: **yes**
Tumble dry: **no**



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N.B.

All information given in this sheet are based on our experience.
We always recommend performing a test before starting standard production.
For best results we recommend to store the product away from direct sunlight.

The product meets the Italian and EU regulations relating to its proper use, and to the (EU) regulation n. 1907/2006EU 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.it.
For further information, please contact our Sales Office. Thank you.

THERMOREFLEX 2000

REFLECTION

Trichromatic coordinates: $x = 0,3077$ $y = 0,3263$ Luminescence: $Y = 23,6$

Divergence Angle	Illumination angle			
	5°	20°	30°	40°
12'	504 Cd/Lux mq.	470 Cd/Lux mq.	370 Cd/Lux mq.	160 Cd/Lux mq.
20'	348 Cd/Lux mq.	346 Cd/Lux mq.	295 Cd/Lux mq.	150 Cd/Lux mq.
1°	30 Cd/Lux mq.	28 Cd/Lux mq.	24 Cd/Lux mq.	35 Cd/Lux mq.
1°30'	15 Cd/Lux mq.	14 Cd/Lux mq.	13 Cd/Lux mq.	7 Cd/Lux mq.

***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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