

THERMOREFLEX PLUS®

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.

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 GX-24 plotter)

Blade: **new new for high thickness materials**

Minimum required pressure: **100 gf**

Transfer setup

1st – Temperature: **150°C** Time: **2÷3"** Pressure: **medium (3÷4 bar)**

2nd – Temperature: **150°C** Time: **10"** Pressure: **medium (3÷4 bar)**

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

30°C Max – inside out

Do not use bleach or other aggressive chemical agents

Dry clean: **no**

Tumble dry: **not recommended**



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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.

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REFLECTION (Cd/Lux-m²)

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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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 www.siser.it.
For further information, please contact our Sales Office. Thank you.