

**DECORAL SYSTEM SRL**

Viale del Lavoro, 5 - Arcole 37040 (Verona) ITALY - Tel. +39 045 7639111 - Fax +39 045 7639100
Email: info@decoral-system.com - Website: www.decoral-system.com

TECHNICAL TOOLS

Laboratory Tests and Technical Documentation

FILM XXXX/YY F1

Heat-transfer films
for IR technology ovens

*Information:*

1. Carriers for sublimatic inks
2. Product features
3. Product advantages
4. Usage
5. Technical data

1. Types of carrier for sublimatic inks

Heat-transfer technology requires sublimatic inks to be temporarily laid on a *carrier*; from here, they are subsequently transferred, through heat, into a layer of special powder-coating material.

Inks are sublimated while tightly in touch with the surface that must be decorated; this way, they are diffused in gas phase into another kind of material.

Every type of carrier has physical characteristics that make it particularly suitable to certain kinds of applications and usage.

2. Product features

The carrier *flock* is made from a special thermoforming material that increases its plasticity with heat; it is especially suitable to usage with IR technology ovens.

3. Product advantages

Thanks to its special composition and thermo-mechanical properties, this carrier is recommended for the decoration of embossed doors, tridimensional objects, and all those applications where the adaptability of the heat-transfer film on a an irregular surface is mostly important for the result of the decoration.

Besides, its composition makes it a fine kind of carrier for those who make use of IR technology.



Various tridimensional objects with flock carrier inside the oven



Tridimensional object

4. Typical usage

- Irregular surfaces;
- Tridimensional objects.



Flock film applied on a window



A detail of the result

5. Technical data

Product code	XXXX-YY-F5-143
Material	A-PET amorphous PET flock film
Curing cycle	190-210°C
Thickness	180µm
Characteristics	Thermoforming, suitable for IR technology
Width	1430 mm
Length	70 m
Storage conditions	Keep away from heat and direct sunlight; temperature: 20-25°C; relative humidity: 50%.

Attention: it is recommended to check the availability of decorations with this kind of carrier