

HEAT-TRANSFER GLOSSY FILM DECORAL SYSTEM XXXX/YY L3

Total barrier
heat-transfer films



Information:

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TECHNICAL TOOLS

Laboratory Tests and Technical Documentation

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 is to be decorated, thus diffusing them in gas phase into another material.

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

2. Product features

The carrier *L3* allows inks to sublimate in one only direction, totally preventing them from transferring through the other face of the film.

3. Product advantages

This product has two main advantages:

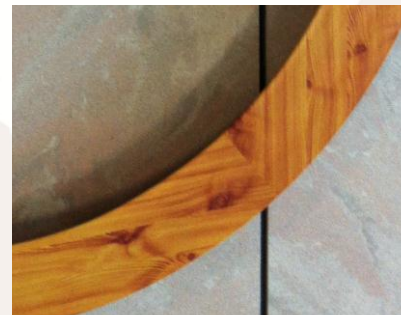
- in the decoration of objects that require partial overlapping of the film, *L3* carrier prevents inks from moving through both film layers, thus avoiding an overlap of the decor and at the same time allowing a simple and straightforward working of the object.



Two stripes of film with normal carrier (*L*) have been superimposed on one another and applied on a white coating: decorations are partially overlapped



Two stripes of film with *L3* carrier: the inks of the upper one (vertical) have been totally blocked by the lower one



Decoration of an arch-shaped profile with *L3* heat-transfer film

- Profiles are usually bagged in sublimatic films, then vacuumed and so kept in close contact with the surface to decorate.

L3 films totally block outer inks that could be present in the ambient as dirty due to previous production cycles; these, with a normal carrier, through heat and ventilation, could move through a normal carrier and eventually stain the object.



Profile stained by sublimatic inks coming from previous production cycles, passed through the normal carrier *L*

4. Typical usage

- Workings that require partial overlapping of film portions (arches, assembled window frames, and all those objects that, in order to obtain a more realistic effect, require wood grains to be overlapped perpendicularly);
- Finishes obtained from very clear bases (white, ivory-white or light grey) with very subtle decors (wood effects with very little grain and slightly marked patterns).



"White Woods" finishes MRK-005-0168

5. Technical data

Product code	XXXX/YY L3
Material	Polyester
Thickness	19 µm
Available decors	All
Curing cycle	190-210°C x 10 min
Characteristics	Total barrier