

**HEAT-TRANSFER GLOSSY FILM  
DECORAL SYSTEM XXXX/YY L**

Standard  
heat-transfer films



*Information:*

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**DECORAL SYSTEM SRL**

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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**

After the use, the exhausted film could still carry on its surface traces of sublimatic inks that have not penetrated the powder-coating layer; carrier *L* allows partial transfer of the sublimatic inks into the carrier itself, thus preventing the possible excess of inks from remaining on the surface of the film with the risk of staining the decorated object.

**3. Product advantages**

Usually, profiles are closed in bags made with heat-transfer films, then air is vacuumed from inside the bag in order to keep the film tightly in touch with the surface of the object to decorate. After the transfer of the inks, air is pushed back into the bag to remove it. The carrier *L*, by permitting partial sublimation of the inks into the carrier, preserves the surface of the object from stains, and so allows an easy and fast working and handling of the objects to decorate, especially in the moments just after the heat-transfer process.

**4. Usage**

- Profiles;
- Metal sheets (microperforated film)



Profiles coming out of the oven: the exhausted film is removed from their surface with an air jet in the bag.



Profiles are piled on each other still closed in their bags. The inks in excess do not represent a problem for the decorated object, since they have been absorbed into the layer of *primer* of the carrier *L*.



The bag is easily removed: the decorated profiles show no stain and the wood effect has been perfectly transferred.

**5. Technical data**

Product code	XXXX/YY L
Material	Glossy polyethylene terephthalate
Thickness	19 µm
Available decors	All
Curing cycle	190-210°C x 10 min