

Thermoplus 49.000

Code A31149000

PRODUCT DESCRIPTION

Thermoformable vinyl-acrylic ink with glossy finishing.

APPLICATION FIELDS

This product is particularly indicated for printing of Visual, labels, household appliances, helmets.

APPLICATION PROCESS

Substrate	PAPER, PAPERBOARD, PVC, PC, PMMA
Th/Cm	From 43 to 120 Th/cm
Emulsion	See the product range table
Squeegee	Square edge Squeegee hardness: 70-75 Shores
Drying	Tack-free is reached at room temperature within 30 min., or at 50- 60°C for a few minutes
Thinners	Thinner 90.913 Normal odourless Thinner 90. 918 Slow
Retarders	Tixo-Vinyl Retarder 8159-V-9 (code A3149088800...) Max 30% 90.923 Odourless Retarder (code A31890923001)
Adhesion promoters	Adhesion Promoter 90.908 max. 10%
Levelling agent	Levelling 90.970 (code A31890970000) max. 2%
Cleaning	Solvent LQ 90.920
Storage	If kept in its original sealed package, the product has a shelflife of 2 years.
Packaging	See the product range table
Safety sheet	Available upon request

GENERAL FEATURES

- Excellent thermoformability
- Good chemical resistance
- Excellent outdoor resistance
- Excellent adhesion onto thermoformable materials
- No blocking

PREPARATION

Before using, the ink must be well mixed and, in case, diluted according to the printing requirements.

TECHNICAL FEATURES

The performance of the product, printed with a 120 th/cm screen, is 50-60 m²/kg. These data are merely an indication, since they depend on the dilution, the substrate and the printing equipment. Thermoplus series has an outdoor resistance (in-clement weather, sunlight) up to 5 years. These data are highly influenced by the kind of substrate to be printed, the altitude, the geographical position and the air pollution. The addition of high percentages of white or transparent base to the ink causes a substantial reduction in its light resistance. In case that an increase in outdoor and chemical resistances is required, it is possible to overprint with the special varnish Thermoplus Overprint V (code A31149044005).

PRODUCT RANGE

BLACKS AND WHITES

CODE	PRODUCT	PACK
A31149103005	EXTRA WHITE	5 kg
A31149701001	OPAQUE BLACK TOYS	1 kg

OTHER PRODUCTS

CODE	PRODUCT	PACK
A3114980000-	TRANSPARENT BASE TOYS	1 and 5 kg
A31249122005	TRANSP. SATIN. ANTIGR.	5 kg
A31149044005	OVERPRINT W.	5 kg

SPECIAL RECOMMENDATIONS

- Always test the characteristics of the product, before starting production.
- The above information is the result of previous knowledge and experience; it is neither a guarantee nor an assurance
- In order to improve adhesion on such nonthermoformable substrates, that are difficult to be printed, it is possible to add up to 10% Adhesion Promoter 90.908. Through the addition of such promoter, the ink has a pot-life of about 4-8 hours.

However, the incorporation of this promoter may affect the thermoforming process.

- For printing on supports sensitive to solvents such as PC, we recommend the use of hot air ovens and Odorless Normal Thinner 90.913.

IMPORTANT NOTE

The information given in this technical sheet is not intended to be exhaustive and any person, using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us of the suitability of the product for the intended purpose, does so at his own risk.

While we endeavour to ensure that all advice we give about the product is correct, we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product.

Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage arising out of the use of the product.

The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

WARNING

This technical data sheet does not replace either the Safety Data Sheet or the specific Conformity Declaration. These documents may be required to our SHEQ (Product safety office), at the following e-mail address: safety@eptainks.com

The technical data sheet does not relieve the printer, who remains the only responsible of the respect of the regulations, the specifications and the related required certifications of the finished items.