



TECHNICAL DATA SHEET

LAG1

THERMOFINISH ENAMEL 130°C

Creation date 26/06/2015

Latest update 16/04/2020

Rev. 1

GENERAL CHARACTERISTICS		
Finishing enamel gifted with excellent resistance to environmental agents. After heat hardening it maintains brightness and colour stability however particular pigmentations may be influenced by temperature.		
FINAL CHARACTERISTIC		
		NOTE
SPECIFIC GRAVITY	1,2 ± 0,1 Kg/L	
VISCOSITY	R3 500-800 cP 20°C	Brookfield Method
SOLID CONTENT	65 ± 1%	Theoretical
SPREAD RATE: (50 dry µm)	6 m ² /Kg	Theoretical
BRIGHTNESS	100-95 Gloss	Glossmeter 60°
CATALYSIS	This product do not requires catalysis	
AVAILABLE DYES	All dyes available.	
BINDER NATURE	Acryl-melamminic resins.	

TECHNOLOGICAL AND RESISTANCE CHARACTERISTICS
RESISTANCES
LAG1 presents good resistance to: organic solvents (in not continuous contact, like ethylic alcohol or aliphatic hydrocarbons), common detergents and greases for domestic or industrial uses. LAG1, when exposed to temperatures up to 130°C, maintains its aspect and resistance characteristics.

APPLICATIONS MODALITY	
BRUSH, ROLLER	Recommended only for small surfaces. Dil. 10% con SYNTHETIC THINNER FOR OVEN PRODUTCS
SPRAY	Dil. 10-15% SYNTHETIC THINNER Nozzle pressure: 3-4 bar Nozzle diameter: 1.5 mm
OVERPAINTING	
LAG1 is overpaintable with itself or or a over-hardening transparent (LTG1) after 10-15 minutes from the end of the oven-hardening	
FLASH OFF	
After application wait almost 10 minutes at 20-30°C before put the application in oven. Do not set oven temperature directly to 130°C. We recommend a preheat treatment of the application at 60°C for 10-15 minutes	
HARDENING	
30-40 minutes in oven (bake time depends by the size of the articles to coat). In order to test best baking times and resistance of the layer of enamel we suggest, only on hardened and cool product, to rub a piece of cotton impregnated with ethylic alcohol on the coated article 50 times. Layer must not lose its hardness.	



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SURFACES PREPARATIONS

Surfaces must be dry and free from impurities. LAG1 can be applied on suitable primer or directly on ferrous surfaces. For applications on powder coat primers we suggest to do some tests to evaluate the adhesion.

TOOLS CLEANING

For remove not polymerized product from tools, NITRO THINNER (TH4.1000) is the best solution available

STORAGE

LAG1, stored in closed cans and away from direct sunlight, has a shelf life of 9 months. Ideal storage temperature is between 5°C and 30°C. High temperature can compromise stability of this product.

The information given in this sheet and founded on our experience are not intended to be fully exhaustive. Whilst we endeavour to ensure that all advices we give about the product (whether in this sheet or otherwise) are 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. It is supposed that every user liberally opts for the products described on this sheet, after verifying suitability according to its requirements. This product is intended for use only by professional applicators in industrial, according to the advices described on this sheet, the material safety data sheet and the packaging.