

TECHNICAL DATA SHEET



Date of issue: 07/11/2012

Last updating:n°2 04/12/2015

Name: SIRNOX V
Definition: Vinyl primer
Code: 79.3

Category: primer
V.O.C. ready to use: 640 g/l
Product outside the uses referred to
2004/42/CE

NATURE OF THE PRODUCT

Anticorrosive primer based on alkyd-vinyl resins

GENERAL USES

General use primer, fit for steel and zinc plated structural works, like fences, frames, coachworks, agricultural machines tools, etc.

APPLICATION METHOD

PREPARATION OF SURFACES

The cleaning of the application surface should be very accurate; it is a necessary condition to obtain a positive result of the painting cycle. This means that presence of grease and oils on the surfaces is absolutely not allowed.

- Ferrous surfaces. SA21/2 sandblasting or very careful mechanical abrasion followed by degreasing using thinners.
- Aluminium: Delicate sanding (with scotch brite paper) followed by degreasing using thinners.
- Galvanized sheet. Delicate sanding (with scotch brite paper) followed by degreasing using thinners.

PREPARATION OF THE PRODUCT

Carefully mix until an even colour and consistency are obtained. For airless applications no dilution or maximum 10% dilution, for standard airmix application is requested a dilution with nitro (07.002) or synthetic (07.005) thinner in a percentage of 20% to obtain a viscosity of 25-30" Ford 4. For low thickness applications dilution must stay between 20 and 40%¹.

APPLICATION

Spray gun: nozzles of 1,4-1,6 mm. diameter and 3-5 atm. pressure.
Airless. nozzle 0,09 inches, 120-150 bar
Brush/roller Only for small surfaces

TECHNICAL DATA

PRODUCT TYPE: Monocomponent

APPEARANCE (ASTM D 523): Matt (5 gloss).

COLOURS: By request (the binder 79.3.K1 has to be used in a ratio 85/15 with the tintometric system tinters)

SPECIFIC WEIGHT (ISO 2811): 1.34 ± 0.05 kg/l

SUPPLY VISCOSITY(DIN 53211) : 35" ± 5" Ford 8

¹ The VOC value indicated above is evaluated considering a dilution on 20%

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SOLID ON VOLUME:	45% (± 2%)			
SOLIDS CONTENT:	60 % (± 2%)			
DRYING AT 20°C	- Dust dry:	15-20'	- Touch dry:	25-30'
	- Total hardening :	24 hours	- Forced drying ²	30' at 60°C
	- Maximum chemical resistance:	After 10 days		
RECOMMENDED COATS:	One crossed coat.			
THICKNESS ³:	30-60µm			
THEORETIC YIELD ⁴:	8-10 m²/kg			
SALT SPRAY TEST (ASTM B 117):	If applied with a final dried film thickness of 60-80µm, 500 hours. If applied on a cycle with primer and topcoat (alkyds 1K) with a final dried film thickness of 120-140µm, 1000 hours			
IMPACT TEST (ASTM D 2794):	36 kg direct on sanded iron.			
ADHESION (ASTM D 3359):	B=5 on surfaces treated like above reported.			
REPAINTING:	After minimum 4 hours with a solvent based system, or even after 30-60' with a water based system. Over 12 hours it can be over coated even without scratching.			
STORAGE STABILITY:	One year, stored in closed packs, in a cool, dry place, away from any sources of heat.			

²Baking the product can produce the popping effect, to avoid this is better a flash-off time of 5'-10' before put the paint to dry in the oven

³ Considering a dry film.

⁴ The theoretical yield has been calculated for the thickness suggested and over plane and regular surfaces for product ready to be used.