

TECHNICAL DATA SHEET

Date of issue: 29.09.10

Last updating: 01.03.12



SIRO S.r.l.

Via Meucci, 5 - Z.I. Selve
35037 Teolo - Padova
Tel. 049.990.11.22
Fax 049.990.15.36
e-mail: vendite@siropaints.com
www.siropaints.com

Name:	SIRNOX WB EXTRA	Category:	primer
Definition:	Waterbase quick air drying primer	V.O.C. limit:	50 g/l
Code:	79W1	V.O.C. ready to use:	30 g/l
Product according to 2004/42/CE			

NATURE OF THE PRODUCT

Quick air drying primer based on styrene butadiene resins modified, contains zinc phosphate.

GENERAL USES

It can be used in a big variety of applications, metallic carpentry, metallic furniture, machines tool, heavy duty machinery, ecc.

APPLICATION METHOD

PREPARATION OF SURFACES

The cleaning of the application surface should be total and painstaking and it is a fundamental and necessary condition to obtain positive result of the painting cycle.

Waterbase products, because of the very low content of organic solvents, have a lower wetting action on surfaces than traditional solvent base products.

This means that presence of grease and oils on the surfaces, is absolutely not allowed.

Surface cleaning must be perfect and this is mandatory for a good result of the final coating.

Ferrous surfaces: SA2 sanding or very careful mechanical cleaning followed by degreasing using thinners.

Aluminium: Chromate or phosphorous chromate treatment or in alternative sanding procedure (also with scotch brite) followed by degreasing using thinners.

PREPARATION OF THE PRODUCT

Carefully mix until an even colour and consistency are obtained. For airless application no dilution is requested, for standard airmix application dilute with water in a percent of 10 % to obtain a viscosity of 10-20" Ford 8 .

APPLICATION

Spray gun: nozzles of 1,8-2,2 mm. diameter and 1-2 atm. pressure.

Airless.

TECHNICAL DATA

PRODUCT TYPE: monocomponent

FILM APPEARANCE matt, 40±5 gloss
(ASTM D 523):

COLOURS: Grey Ral 7035, by request other color are possible using the waterbased tintometric color system with a ratio converter/tinters of 90/10

SPECIFIC WEIGHT 1,12 ± 0,06 kg/l
(ISO 2811):

SUPPLY VISCOSITY 35" ± 10" Ford 8
(DIN 53211):

SOLID ON VOLUME: 36±2%

TECHNICAL DATA SHEET

Date of issue: 29.09.10

Last updating:nº 01.03.12



SIRO S.r.l.

Via Meucci, 5 - Z.I. Selve
35037 Teolo - Padova
Tel. 049.990.11.22
Fax 049.990.15.36
e-mail: vendite@siropaints.com
www.siropaints.com

Name:	SIRNOX WB EXTRA	Category:	primer
Definition:	Waterbase quick air drying primer	V.O.C. limit:	50 g/l
Code:	79W1	V.O.C. ready to use:	30 g/l
Product according to 2004/42/CE			

SOLIDS CONTENT: 40±2%

DRYING AT 20°C

- Dust dry:	15-20'	- Touch dry:	20-35'
- Total hardening :	24-36 hours	- Forced drying ¹	30' at 60°C
- Maximum chemical resistance: After 10 days			

RECOMMENDED COATS: Two crossed coat

THICKNESS ²: 60-100 µm

THEORETIC YIELD ³: 6 m²/kg

SALT SPRAY TEST⁴ (ASTM B 117): if in combination with the top coat 75W1 or 72W1 you reach a dried film thickness of 140 µm, 350 hours.

IMPACT TEST (ASTM D 2794): 36 kg direct 15 kg reverse

ADHESION (ASTM D 3359): B=5 on surfaces treated like above reported.

REPAINTING: Wet on wet with itself, or since after one hour with water or solvent based systems. For 2k acrylic and polyurethane topcoats it is better to wait at least 24 hours before overcoat. The product can be overcoated even after one month without scratching but the film has to be clean and with no traces of powder or dirty

STORAGE STABILITY: One year in closed packs, stored in a cool, dry place, away from any sources of heat. Beware of frost, store at more than 5°C.

¹ Baking the product can change the final gloss result, it could result more matt

² Considering a dry film.

³ The theoretical yield has been calculated for the thickness suggested and over plane and regular surfaces.

⁴ Such salt spray resistance can be reached only with a cycle with two crossed coat of primer (80mm dry film thickness) using the 79W1.R7035 produced by direct grinding. Using other colors prepared by the tintometer, the salt spray resistance, for the whole cycle, primer plus topcoat, goes from 350 hours to 250-300 hours.