



PRODUCT DATA SHEET
SanyChlor – 450
Primer – High Build & Finish

GENERIC TYPE:

A Single package Chlorinated Rubber.

DESCRIPTION:

SanyChlor-450 Primer & High Build is a chlorinated rubber paint based on chlorinated rubber. This is a thermoplastic composition and is an air drying system. This paint has very good alkali and acid resistance. Also resistant to salt water, moisture and mechanical strain. Used as a chemical resistant coating in industries where special resistance properties are required. **SanyChlor-450 Primer & HB** contains no oil or alkyd modifiers, the excellent inherent chemical resistance properties of chlorinated rubber are retained.

FEATURES:

- Very effective in exposure of high humidity, such as Pulp mills.
- Frequently used as a topcoat over Inorganic Zinc base coats (**ZinCoat-400**)
- Very Good abrasion resistance and weathering properties.
- Performs well over non-blasted surfaces.

RECOMMENDED USES:

SanyChlor-450 Primer & HB is an excellent maintenance system for use in all industries including chemical processing, pulp & paper, petroleum, railroads, marine, etc. Generally used for the protection of structural steel, equipment exteriors and concrete. Although sandblasting is recommended, the **SanyChlor-450 System** performs very well and commonly used over power tool or hand cleaned surfaces. Particularly recommended for splash, spillage and fumes of caustic, acids, salts and water.

NOT RECOMMENDED FOR:

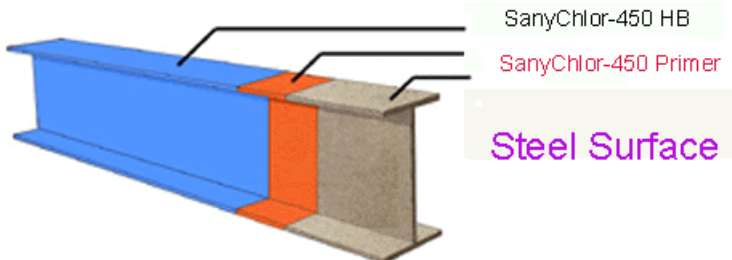
Immersion service or solvent exposures.

SUBSTRATES:

Apply over properly prepared steel. Can be applied directly to the substrate or over Inorganic Zinc Coatings.

TYPICAL CHEMICAL RESISTANCE

Exposure	Fumes
Acids	Excellent
Alkalies	Excellent
Solvents	Poor
Salt	Excellent
Water	Excellent



SPECIFICATION DATA

• Solids Content By Volume:

SanyChlor – 450 Primer 32% ± 2%
SanyChlor – 450 High Build 33% ± 2%



• Theoretical Coverage Rate per Gallon: *

SanyChlor-450 Primer 12.8 sq. m / Lit at 25 microns
6.4 sq. m / Lit at 50 microns

SanyChlor-450 High Build 13.2 sq. m / Lit. at 25 microns
4.4 sq. m / Lit. at 75 microns
3.3 sq. m / Lit. at 100 microns

* Mixing and application losses will vary and must be taken into consideration when estimating job requirements.

• VOC Values As supplied:

714 g / L
This is a nominal value and may vary when thinned.

• Recommended Dry Film Thickness per Coat :

SanyChlor-450 Primer 2 mils (50 microns)
SanyChlor-450 High Build 3-4 mils (75-100 microns)

• Typical Chemical Resistance :

Refer to topcoat used.

• Temperature Resistance

(Non-Immersion)
Continuous : 150 °F (66 °C)
Non-Continuous : 200 °F (93 °C)

• Flexibility :

Good

• Weathering :

Very Good

• Abrasion Resistance :

Very Good

• Color Standard in :

SanyChlor-450 Primer: Red only.
SanyChlor-450 HB & Finish consult **SanyChem** Color Chart

• Gloss :

Flat

• Shelf Life :

12 months when stored at 75 °F (24 °C).

• Storage Conditions:

Store indoors.

Temp.:

4 - 49 °C

Humidity:

0 - 100%

TOPCOAT REQUIRED:

SanyChlor-450 Primer is normally topcoated with **SanyChlor-450 High Build** with an optional third coat of **SanyChlor-450 Finish** for a glossy appearance. Also may be topcoated with Acrylics, Silicones, Alkyds, or others as recommended.

COMPATIBLE COATINGS:

SanyChlor-450 Primer & HB may be applied over certain synthetics such as acrylics, some alkyds or well aged oils, an inorganic zincs, such as **ZinCoat 400**. Consult **SanyChem** Technical Service Department for specific recommendation.

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APPLICATION INSTRUCTIONS

These instructions are not intended to show product recommendations for specific service. They are issued as an aid in determining correct surface preparation, mixing instructions, and application procedure. It is assumed that the proper product recommendations have been made. These instructions should be followed closely to obtain the maximum service from the materials.

Substrates & Surface Preparation

General Remove any oil or grease from surface to be coated with clean rags soaked in **SolvenSany # 252** or **MetalCleaner # 100** in accordance with SSPC-SP-1.

Steel Apply over clean, grease-free, dry substrates. For best performance, dry abrasive blast to a commercial finish in accordance with SSPC-SP-6 to a degree of cleanliness in accordance with NACE # 3 to obtain a 1-2 mil (25-50 microns) blast profile. Power tool cleaning per SSPC-SP-3, or hand Cleaning per SSPC-SP-2 is acceptable.

Spray Application (General) The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco. Use adequate volume for correct operation. Use a 50% overlap with each pass of the gun. On irregular surfaces, coat the edges first, making an extra pass.

Conventional Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, 0.070" I.D. fluid tip and appropriate air cap. Hold gun 8-10 inches from the surface at a right angle to the surface.

Airless Spray

Pump Ratio:	30:1 (min.) *
GPM Output:	3.0 gpm min.
Material Hose:	3/8" I.D. (min.)
Tip Size:	0.017" - 0.021"
Output Pressure:	2100 -2200 psi
Filter Size:	60 Mesh

Hold gun 12-14 inches from the surface at a right angle to the surface.

* Teflon packing are recommended and available from manufacturer

Brush & Roller For small areas or touch up only. Use a natural bristle brush applying full strokes, or use a short nap mohair roller with phenolic core. Avoid rebrushing and rerolling.

Thinning May be thinned up 25% by volume with **SolvenSany # 260** to reduce the viscosity. Use of thinners other than those supplied or recommended by **SanyChem** may adversely affect product performance and void product warranty, whether expressed or implied.

APPLICATION CONDITIONS

	Material	Surfaces	Ambient	Humidity
Normal	16 – 32 °C	18 – 29 °C	13 – 38 °C	10 – 85 %
Minimum	4 °C	2 °C	4 °C	0 %
Maximum	38 °C	66 °C	49 °C	95 %

Do not apply when the surface temperature is less than 5 °F or 3 °C above the dew point.



Contact



For information and Prices, Please Call a SANYCHEM Local Sales Representative.

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DRYING TIMES

SanyChlor – 450 Primer

Surface Temp. & 50% RH	Between Coats
40 °F (4 °C)	12 Hrs
60 °F (16 °C)	5 hrs
75 °F (24 °C)	3 Hrs
90 °F (32 °C)	1 hr

DRYING TIMES

SanyChlor – 450 High Build

Surface Temp. & 50% RH	Between Coats
40 °F (4 °C)	12 Hrs
60 °F (16 °C)	5 hrs
75 °F (24 °C)	3 Hrs
90 °F (32 °C)	1 hr

These times are at the recommended dry film thickness (1 mil). Higher film thickness will lengthen cure times

Safety Cautions:

Caution: Avoid prolonged breathing of vapours and skin contact. Use in a well ventilated area. Smoking or the use of electrical equipment that could cause sparks should be prohibited while this product is being applied. Avoid contact with eyes, skin and clothing. Wear gloves and protect face during application. In case of contact with eyes, flush immediately with plenty of water. Get medical attention promptly. If skin contact occurs wash with plenty of soap and water. Remove contaminated clothing and wash before reuse. Wash hands thoroughly before eating or smoking. Should **SanyChlor-450** be swallowed accidentally, contact physician immediately.

Note

Read and follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workmanlike safety precautions. Hypersensitive persons should wear protective clothing, gloves and use protective cream on face, hands and all exposed areas. Personal protective equipment meeting the requirements of the COSHH regulations should be worn.

Cleanup

Use **SolvenSany # 260**. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

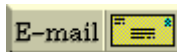
Ventilation



When used as a tank lining or in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapour concentration from reaching the lower explosion limit for the solvents used. In addition to ensuring proper ventilation, appropriate respirators must be used by all application personnel. Appropriate Working in Confined Spaces Regulations should be followed.

FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN.

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