



**MAINTENANCE COATING  
SYSTEMS  
FOR  
NEW OR EXISTING STEEL**

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## MAINTENANCE COATINGS SYSTEMS PRIMERS

For New or Existing Steel Surfaces

Coating	Generic Type	Comment & Usage	Solids by Volume	VOC (Lbs/Gal) As Supplied	Compatibility Over Old Coatings *	Minimum Surface Prep.	Colors	Nominal Dry Film Thickness (mils)
Koralex-750	Water-borne acrylic	A single package, water-borne primer for bare steel and as a tie coat over a wide variety of existing coatings. May be topcoated with a wide variety of generic topcoats.	36% ± 2 %	0.58	1,2,3,4,5,6	Power Tools	Buff. Salmon	3
EpoSany-903	Cross Linked Epoxy	A general purpose 2-component epoxy primer for use over commercial blasted steel. Offers corrosion protection, fast recoat times and is tolerant of damp environments. Can be applied up to 6 mils DFT in one coat when used in severe environments.	77% ± 2 %	1.62	1,4,6	Abrasive Blast to SSPC-SP-6 Commercial Blast	Red, Gray, Green, Yellow, White	3
SanyMastic-5800	Cross Linked Epoxy	A high build 2-component surface tolerant coating. May be applied direct to minimally prepared substrates or over most existing aged coatings. May be applied in damp environments, and in some environments may be used as a single coat Primer / Finish coating system.	76% ± 2 %	1.74	1,4,6	Power Tool or Hand Tool	Wide variety	5
SanyMastic 5000	Aluminum Filled Epoxy Mastic	An excellent high build 2-component low odor aluminum filled epoxy mastic that exhibits superior wetting properties and adhesion to rusted surfaces and most existing aged coatings. Due to the excellent barrier and film build characteristics, the coating may be used as a single coat Primer / Finish coating system.	90% ± 2 %	0.74	1,4,6	Power Tool or Hand Tool	Aluminum Metallic Red	5
ZinCoat-810	Zinc Filled Cross Linked Epoxy	An excellent Zinc filled 3-component organic primer for use over commercially blasted steel surfaces. The Zinc loading offers excellent undercutting resistance, and the film exhibits fast recoat times.	64% ± 2 %	2.52	6	Abrasive Blast to SSPC-SP-6 Commercial Blast	Green	3
EpoSany Sealer 250	Polymeric Epoxy Amido-amine	A 2-component highly penetrating sealer applied over aged and weathered coating. Creeps under loose edges, penetrates & encapsulates rust. Accepts a wide variety of topcoats.	98% ± 2 %	0.2	1,2,3,4,5,6	Power Tool or Hand Tool	Fluorescent Green	1.5

#### GUIDE TO COATING SYSTEM SELECTION

The maintenance coating selections are offered to cover a wide range of general plant exposures. The Primers and Finish coats listed are all compatible thus allowing for wide flexibility when designing your total coating system. These selection will address a majority of plant exposures. Should a particular environment not be addressed, please consult SanyChem's technical service department for specific recommendations.

#### POINTS TO CONSIDER WHEN CHOOSING A PRIMER

- A.- Type of corrosion protection desired; cathodic / Galvanic or Barrier.
- B.- Type of surface preparation allowed: Hand Tool / Cleaning or Abrasive Blasting.
- C.- Numbers of coats desired: single coat Primer /Finish or 2 coat system.
- D.- VOC requirements
- E.- Generic Type preference
- F.- Compatibility with desired Topcoat

#### COMPATIBILITY OVER OLD COATINGS

- 1.- Alkyd, drying Oil
- 2.- Chlorinate Rubber, Rubber-Based Coatings.
- 3.- Vinyl
- 4.- Catalyzed Epoxy and Phenolic
- 5.- Acrylic
- 6.- Bare Steel or Existing Inorganic Zinc

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## MAINTENANCE COATINGS SYSTEMS FINISH COATS

For New or Existing Steel Surfaces

Coating	Generic Type	Comment & Usage	Solids by Volume	VOC (Lbs/Gal) As Supplied	Compatibility Primers *	Chemical Resistance (Splash & Spillage)					Colors	DFT (Mils)	Weathering
						ACIDS	ALKALIS	SALTS	SOLVENTS	WATER			
KethaPol-550	Polyurethane Alkyd Copolymer High Gloss	A single package general maintenance topcoat. Coating may be applied directly to various aged existing coatings. An excellent choice for mild chemical fume areas and weathering environments.	49% ± 2 %	3.3	2,3,4,5,6	VG (Fumes only)	G (Fumes only)	E (Fumes only)	VG (Fumes only)	VG (Fumes only)	Wide variety	2	G
KethaPol-3500 HS	Acrylic Aliphatic polyurethane High Gloss	For use on interior and exterior plant surfaces where a glossy and tile-like finish with excellent weathering and color retention characteristics are desired. The coating has very good resistance to splash and spillage of wide variety of chemicals.	66% ± 2 %	2.4	2,3,4	VG	VG	E	VG	E	Red, Gray, Green, Yellow, White	2	E
KethaPol-2000 HB	Aliphatic polyurethane Semi Gloss	For use on interior and exterior plant surfaces where a high build topcoat having good resistance to a wide variety of chemicals, excellent weathering and UV resistance and excellent color retention is desired.	59% ± 2 %	3.14	1,2,3,4	VG	VG	E	VG	E	Wide variety	3-5	E
KoraTex-700	Water-borne acrylic Semi Gloss	A durable, high performance acrylic topcoat where excellent weathering properties and chemical resistance is needed. Is water-based and compatible over a wide variety of primers.	36% ± 2 %	0.48	1,2,3,4,5,6,7	VG	VG	E	F	E	Wide Variety	2-3	E
EpoSany-900	Cross Linked Epoxy High Gloss	For use where a high performance, attractive glossy, chemical and abrasion resistance epoxy topcoat is desired. The high build cured film provides an easily cleanable and aesthetic surface. Will chalk with outdoor exposure.	75% ± 2 %	1.78	1,2,3,4,5,7	VG	E	E	VG	E	Green	3	VG (Chalks)
SanyMastic-5800	Cross Linked Epoxy Semi Gloss	An 2-component pigmented surface tolerant coating for use as a general plant maintenance coating. May be applied over a variety of existing coatings and as a self-priming system direct to minimally prepared surfaces.	76% ± 2 %	1.74	Self-Priming & 1,2,3,4,5,7	G	G	E	VG	E	Wide Variety	4 – 6	VG (Chalks)
SanyMastic-5000	Aluminum Filled Epoxy Mastic Flat Gloss	A high build, low odor aluminum filled epoxy mastic that exhibits superior adhesion to rusty steel and most aged existing coatings. May be used as a single or two coat system, or topcoated with a variety of finish coats for additional protection.	90% ± 2 %	0.74	1,2,3,4,5,6	F	G	E	G	E	Aluminum Metallic Red	5 – 7	VG

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### POINTS TO CONSIDER WHEN CHOOSING A FINISH

- A.- Chemical exposure coating subjected to
- B.- Type of exposure: Fumes or Splash and Spillage.
- C.- Physical location: Interior or Exterior
- D.- Aesthetics: Color and / or Gloss
- E.- VOC requirements
- F.- Generic Type preference
- G.- Cost per square foot

### GRADING: Splash and Spillage Service Except Where Noted

- E Excellent: No limitation
- VG Very good: Only slightly less effective than systems rated as excellent.
- G Good: Useful, except for high concentrations and elevated temperatures
- F Fair: Limited recommendation
- P Poor: Not Recommended

### COMPATIBILITY OVER OLD COATINGS

- 1.- Inorganic Zinc
- 2.- Cross Linked Epoxy.
- 3.- Epoxy Mastic
- 4.- Epoxy Zinc Rich primer
- 5.- Alkyd
- 6.- Vinyl / Chlorinated Rubber
- 7.- Aged Galvanizing

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