

EasyPrime



FLEXIBLE EPOXY PRIMER

- ◆ 100% solids - no VOCs
- ◆ OPS compatible
- ◆ Non flammable
- ◆ Very Low odor after mixing
- ◆ Forever flexible
- ◆ Surface tolerant
- ◆ Strong Wetting capability
- ◆ Excellent water resistance
- ◆ Penetrates porous surfaces
- ◆ DFT 75-100 microns (3-4 mils) or higher until the surface is saturated
- ◆ Compatible with most shop primers



DRINKING WATER SYSTEM COMPONENTS
ANSI/NSF 61
5N16, 6N21

EasyPrime is designed to be a low viscosity epoxy primer that wets out most surfaces. Its excellent flexibility allows it to virtually eliminate reverse impact damage common to most brittle curing epoxies. EasyPrime's chemistry allows it to penetrate a clean tight rusty surface. Since EasyPrime does not contain solvents there will not be any chance for solvent entrapment.

EasyPrime was primarily designed for use in ballast tanks of ships and barges. It should always be top coated with a second coat of EasyPrime or with EasyFlex. For potable water use top coat with EasyFlex

SURFACE PREPARATION:

EasyPrime is designed to go over a minimum ST-2 or SP-2 prepared surface. All mill scale, sheet scale, grease, loose rust, dust and excess moisture must be removed. Well adhering paints may be left if they cannot be removed.

Always wash the surface with fresh water to remove soluble salts before applying the EasyPrime.

Ventilate at anytime the working area ensuring safe conditions and dry surfaces.

HANDLING:

Do not store in direct sunlight. Mix Part A and Part B for three minutes with slow agitation. The mixture will get noticeably thinner. Apply with a brush, roller or airless sprayer. As EasyPrime is not fully pigmented, thin applications will appear transparent or hazy in color. As film thickness increases the color will appear as a solid bright blue green.

APPLICATION CONDITIONS:

Substrate minimum temperature should not be lower than 3°C (39°F). Air temperature should not be lower than 4°C (40°F). Relative humidity should be lower than 95% EasyPrime product temperature should not be lower than 22°C (72°F).

SAFETY INFORMATION:

Keep paint containers away from open flames. Always avoid prolonged contact with skin. In confined spaces always use a full-face shield with an organic cartridge and completely cover all exposed skin. The use of a poly-coated jumpsuit is recommended. Refer to safety analysis report by EFEH & Associates and EasyPrime's MSDS.

Physical Data:

Finish	Haze to bright blue green color
Curing Mechanism	Chemical reaction
Volume Solids	100%
VOC	0
WFT recommended	75 – 125 microns (3 – 5 mils)
DFT recommended	75 – 125 microns (3– 5 mils)
Theoretical Coverage	20 – 13 M ² /liter (800 – 500 sg.ft/gal)
Pot Life	@ 20°C/68°F – 80-90 minutes @ 35°C/95°F – 45 minutes
Dry to Touch at 20°C	8 Hours
Thinning	Do not thin
Flash Point Closed Cup	
Part A	above 100°C - 212°F
Part B	above 100°C – 212°F
Application Method	Brush, roller, airless (US 15-19/metric 0.381-.584) and adjust pressure as required. Apply in a cross hatch way ensuring good wetting of the rough steel surfaces.
Packaging Size	10 liters mixed material
UN Shipping	Non hazardous, non regulated
Shelf Life	36 Months
Recoat Window	@24° C (75°F) - 21 days @35°C (95°F) - 10 days

Performance

2000 Hour Salt Fog – ASTM B117	Pass
Adhesion Pull Test – ASTM D4541	1700 psi
Exudation or Amine Blush	Pass
Conical Mandrel Bend –ASTM D522	>34%
Water Absorption – ASTM D570	0.9%
Water Vapor Transmission ASTM D1653	.0026 Perm inches (.0043 Perm Cm)
Heat Resistance Continuous	150°C (302°F)

CAUTION:

We cannot assume any responsibility for surface preparation and application if not supervised by our authorized inspectors.

Manufactured by: ROYAL CHEMICAL CORPORATION , BELLE CHASSE, LA 70037 USA
Phone: 504-392-8811 Fax: 504-392-2173
Email: info@royalcoatings.net
www.royalcoatings.net