



TECHNICAL DATA SHEET

COSMO-EPOXY E-65

EPOXY POLYAMIDE ENAMEL

DESCRIPTION: COSMO-EPOXY E-65 EPOXY POLYAMIDE ENAMEL is a two-component polyamide epoxy enamel, formulated with corrosion inhibitor pigments. It is used for industrial and marine maintenance where an enamel with excellent resistance to severe corrosive environments, abrasion, and chemicals (acids, alkalis, solvents, saline solutions) is required. It has a long useful life and excellent resistance.

APPLICATIONS: COSMO-EPOXY E-65 EPOXY POLYAMIDE ENAMEL is applied over a suitable anticorrosive or primer. It has excellent abrasion resistance and protects against spills and splashes of chemicals, such as acids, alkalis, solvents and saline solutions. It is recommended for exterior surfaces, including offshore structures and marine vessels, petrochemical facilities, steel bridges, structural steel within industrial plants, mega ship structures, and other surfaces exposed to aggressive environments.

TECHNICAL SPECIFICATIONS:

ITEM	SPECIFICATION	CHARACTERISTIC
1	TYPE	EPOXY-POLYAMIDE
2	SOLIDS IN VOLUME	65% ± 2
3	COLORS	WHITE, GREY
4	FINISH	BRIGHT
5	MIXING RATIO (IN VOLUME)	4 PART A: 1 PART B PER VOLUME
6	TYPICAL THICKNESS	2.0 – 3.0 Mils DRY (4.0 – 6.0 Mils WET)
7	THEORETICAL PERFORMANCE	403.6 sq ft (37.5 m ²) / gal at 2 Mils DRY (WITHOUT CONSIDERING LOSSES DUE TO APPLICATION AND TRANSFER OF THE PRODUCT)
8	APPLICATION METHODS	AIRLESS EQUIPMENT, BRUSH, ROLLER, AIR EQUIPMENT
9	INDUCTION TIME	30 MIN (between 40°F - 77°F / 4.4 - 25 °C); 15MIN (100 °F / 38 °C)
9	SHELF LIFE OF THE MIX	10 h (40°F/4.4°C); 4 h (77°F/25°C); 2 hours (100°F/38°C)
10	VOLATILE CONTENT (VOC)	150 g/L

DRYING TIMES:

Drying Time with 7.0 wet mils and 50% Relative Humidity:

	40 °F / 4.4 °C	77 °F / 25 °C	100 °F / 38 °C
Touch:	3 hours	1 hour	½ hour
For handling:	48 hours	8 hours	4½ hours
To repaint:			
(minimum):	48 hours	6 hours	4½ hours
(maximum):	14 days	7 days	5 days
To cure:			
(service):	10 days	7 days	4 days
(immersion):	14 days	7 days	4 days

- If the maximum coating time is exceeded, you must sand the surface before coating.

- Drying times depend on temperature, relative humidity and applied thickness.

SURFACE PREPARATION:

- The surface must be clean, free of dust, oil, grease and all contaminants and must have been primed with an epoxy compatible primer.
- Before applying COSMO-EPOXY E-65 POLYAMIDE EPOXY ENAMEL, you must verify that the repainting time of the base coat is correct.
- If the repainting time has been exceeded, you must sand the surface until it is rough enough to ensure adhesion of the product.

APPLICATION METHODS:

- **BRUSH OR ROLLER** - Use COSMO-EPOXY E-65 POLYAMIDE EPOXY ENAMEL as it remains after catalyzing. Brush should be made of Nylon/Polyester or Natural Bristle, and the roller should be made of Plush 3/8" (9.53 mm) with a phenolic core.
- **CONVENTIONAL GUN** – (i) DeVilbiss JGA or MBC 510/704/765 pistol or equivalent. (ii) Dilute between 20% – 25% in volume.
- **AIRLESS PISTOL** – (i) Nozzle range .015" - .023" (0.381 - 0.584 mm). (ii) Fluid pressure between 2500 - 3000psi. (iii) Dilute whatever is needed up to 10% by volume.

ENVIRONMENTAL CONDITIONS OF APPLICATION:

Temperature: 40 °F / 4.4 °C minimum, 110 °F / 43.3 °C maximum (air, surface, and material)
At least 37 °F / 3 °C above dew point
Relative Humidity: 85% maximum

SYSTEMS COMPATIBILITY:

COSMO-EPOXY E-65 POLYAMIDE EPOXY ENAMEL should be used as a finish on properly primed surfaces. For specific queries regarding suitable finishes, consult our technical service.

STORAGE CONDITIONS:

THE SHELF LIFE TIME IN WAREHOUSE IS ONE (01) YEAR WITHOUT MIXING AND UNDER NORMAL STORAGE CONDITIONS, IN A COOL AND VENTILATED ENVIRONMENT (77 °F / 25 °C).

INFORMATION ON INDUSTRY STANDARDS:

Additional information about industry standards, terms and abbreviations used in this Technical Data Sheet can be obtained from the following institutions:

1. The Association for Materials Protection and Performance (AMPP) was created when NACE International and SSPC merged in 2021).
2. Occupational Safety and Health Administration (OSHA, created in 1970).

ADDITIONAL INFORMATION:

The data in this Technical Data Sheet represent typical values of the product characteristics. It is the user's responsibility to take appropriate measures in order to comply with the requirements established within their industry under current legislation. The information represents a general guide and should not be considered as a guarantee of its properties.

