

Colorama PE1036

EPOXYPHEN

A two-pack high chemical resistant, high build amine cured novolac epoxy paint, which gives high film thickness at one coat. Designed to be used as a tank-lining for potable water, solid and liquid food stuffs and a wide range of chemicals.

Properties and Areas of Use

- Tough hard wearing film with outstanding abrasion resistant
- Excellent chemical resistance
- Excellent water resistance
- For maximum chemical resistance, the film has to be completely cured for at least 7-10 days at 250µ DFT and 25°C as curing is a function of temperature and DFT

Technical Coating Data @ 25 °C for mixed material

Finish	Semi-gloss
Color Range	Grey, Red or White
Solids Volume	90 ± 2%
Dry Film Thickness Range	100-1000 µm
Theoretical Spreading Rate	3.6 m ² / L @ 250 microns DFT (loss factors will apply in practice)
Surface Dry	4 hours
Recoat Interval	12 hours minimum 7 days maximum
Complete Cure	7 days
Pot Life	2 hours
Flash Point	35°C
Shelf Life	12 months (stored in a cool dry place)
Mixing Ratio by Weight	5 Base component 1 Activator Component
VOC	157 g/L

Film Thickness and Spreading Rate:

	Minimum	Maximum	Typical
Film thickness, dry (µm)	100	400	250
Film Thickness, wet(µm)	111	445	278
Theoretical Spreading Rate (m ² /L)	9	2.25	3.6

Suitable Surfaces

- Steel and non ferrous metals properly prepared and blast cleaned to ISO-Sa2½
- Concrete free of contamination, dust and efflorescence, and properly prepared

Bare Steel:

Cleanliness: Blast – cleaning to Sa2 1/2 (ISO-8501-1:2007). Power tool cleaning to min. St2 (ISO 8501-1:2007) may be acceptable, subject to exposure conditions.

Shopprimed Steel:

Clean, dry and undamaged approved shopprimer

Coated Surfaces:

Clean, dry and undamaged compatible primer .

Other Surfaces:

For aluminum substrates , thorough washing and sweeping with a nonmetallic blast medium is required.

Application Conditions

Substrate temperature should be 10°C or above for application and during cure and a minimum of 3°C above the dew point. Adequate dry air ventilation is recommended for optimum drying.

Application Information

Thinning should only take place after the two components have been thoroughly mixed.

Brush and Roller

Thin if required with 0-5% Paint Thinner Colorama TH907EP.

Conventional Air Spraying

- Thin with 5-25% Paint Thinner Colorama TH907EP, as required.
- Tip size - 2.0 mm
- Tip pressure - 60 psi (0.4Mpa) approximately

Airless Spraying

- Thin with 0-20% Paint Thinner Colorama TH907EP, as required
- Tip size - 0.58-.79 mm approximately
- Tip pressure - 2100 psi (15Mpa) approximately

Cleaning Thinner

Equipment should be cleaned immediately after use with Paint Thinner Colorama TH907EP.

Drying time:

Drying times are affected by air ventilation, temperature, film thickness and number of coats.

Substrate Temp.	10° C	25° C	40° C
Surface Dry	8	4	2
Through Dry	16	8	6
Dry to recoat, minimum	24	12	8

The given data serve as guideline only. The actual drying time differs according to film thickness, ventilation, humidity and underlying paint system.

Typical paint system:

EPOXYPHEN 2 x 250 µ

Storage:

Keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.

Handling:

Handle with care. Stir well before use.

Packing Size:

5 L & 18 L

Summary Safety Information

- Avoid inhalation of spray mist and skin contact by the use of masks, gloves and other personal protection. Eyes should be cautiously washed with water or proprietary wash, and medical attention obtained. Skin should be thoroughly washed using a cleanser and soap and water.
- Product is flammable
- No sparks or flames
- No smoking

The information given in this data sheet represents test results & practical experience obtained under controlled conditions, and are correct to the best of our knowledge. However, as products are often used under different conditions, we can only guarantee the quality of our product, and reserve the right to change data without further notice.