

## Colorama PE1816

# EPOVAR - 816

A solvent free two pack polyamine cured epoxy clear coat designed to be used as a finish coat in 3D flooring systems, transparent molding processes and in the fields of water tank lining, steel structures, anti-chemicals flooring, fuel tank lining and crude oil tank lining and as an adhesive for wood, fiber glass sheets, vinyl sheets and wall papers over surfaces of steel, concrete and wood.

### Properties and Areas of Use

- Tough hard wearing film
- Excellent chemical resistance
- Excellent water resistance
- Suitable for heavy duty floors of, for example, Warehouses, Factories, hangers, manufacturing plants, Garages ....etc.

### Technical Coating Data @ 25 °C for mixed material

<b>Finish</b>	High-gloss
<b>Color Range</b>	Transparent
<b>Solids Volume</b>	99 ± 1%
<b>Dry Film Thickness Range</b>	100-500 µm
<b>Theoretical Spreading Rate</b>	5 m <sup>2</sup> / L @ 200 microns DFT (loss factors will apply in practice)
<b>Surface Dry</b>	6 hours
<b>Recoat Interval</b>	16 hours minimum
<b>Complete Cure</b>	7 days
<b>Pot Life</b>	1 hours
<b>Flash Point</b>	>100°C
<b>Shelf Life</b>	12 months (stored in a cool dry place)
<b>Mixing Ratio by Weight</b>	2 Base component 1 Activator Component

## Film Thickness and Spreading Rate:

	Minimum	Maximum	Typical
Film thickness, dry (µm)	100	500	200
Film Thickness, wet(µm)	100	500	200
Theoretical Spreading Rate (m <sup>2</sup> /L)	10	2	5

## Suitable Surfaces

- Suitable for concrete floors and marine decks
- Steel marine decks must be sand blasted to SIS-Sa 2<sup>1</sup>/<sub>2</sub> minimum
- Concrete surface prepared by using dust free captive blasting units, grinding equipment, sand blasting or high pressure water jetting
- This is critical for achieving the right surface profile prior to paint application.

## 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.

## Shoppripped Steel:

Clean, dry and undamaged approved shopprimer

## Coated Surfaces:

Clean, dry and undamaged compatible primer .

## 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

Component A ( base ) must be thoroughly mixed before adding components B & C.

## Brush and Roller

Stiff nylon brush or spiked roller.

## 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	10	6	4
Through Dry	16	12	8
Dry to recoat, minimum	24	16	12

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

## 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