

Colorama PE1300

ABRAPOX

(High Wear Epoxy)

A solvent free, zero VOC polyamine adduct cured epoxy paint reinforced with zircon and corundum grains to maximize the impact and abrasion resistance. ABRAPOX (high wear epoxy) has high abrasion resistance, high chemical resistance, gives high film thickness at one coat designed to provide cost effective resistance to particle impact abrasion with a high degree of flexure and vibration. ABRAPOX protects relatively large flat areas from abrasive attack. It is easily applied on-site, and also applied to more complex areas. It is ideally suited for application to: cyclones, hoppers, deflector screens, wear plates, burner barrels, mixing blades, bunkers, pipe bends and process equipment.

Properties and Areas of Use

- Tough hard wearing and flexible film.
- Suitable for marine and industrial atmospheric exposure, immersion and water tanks made of steel or concrete.

Technical Coating Data @ 25 °C for mixed material

Finish	Eggshell
Color Range	As per color card
Solids Volume	99 ± 1%
Dry Film Thickness Range	1-12 mm
Theoretical Spreading Rate	0.54 m ² /Kg @ 1000 microns DFT (loss factors will apply in practice)
Surface Dry	2 hours
Recoat Interval	4 hours minimum 3 days Maximum.
Complete Cure	7 days
Pot Life	45 min.
Flash Point	> 100°C
Shelf Life	24 months (stored in a cool dry place)
Mixing Ratio by Weight	6 Base component 1 Activator Component
VOC	0 g/l

Film Thickness and Spreading Rate:

	Minimum	Maximum	Typical
Film thickness, dry (μm)	1000	12000	5000
Film Thickness, wet (μm)	1000	12000	5000
Theoretical Spreading Rate (m^2 / Kg)	0.54	0.045	0.11

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 shop primer

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

No thinner needed for dilution.

Application Tools

Metal Trowels

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	6 h	4 h	3 h
Through Dry	12 h	8 h	6 h
Dry to recoat, minimum	18 h	10 h	8 h

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 Kg, 20 Kg & 25 Kg

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.