

Colorama PE1002GFM

PRIMABUILD-GFM

A two-pack surface-tolerant, abrasion resistant, high chemical resistant, high solids polyamine cured epoxy paint reinforced with glass flakes which gives high film thickness at one coat. Designed for highly corrosive environments and complies with ISO 12944-2 (C5M & C5I) to be used as a primer or finish coat for splash zones, steel structures, bridges, anti-chemicals flooring, automatic pipe lining for potable and waste water as well as fuel tank lining even on steel where blast cleaning may not be possible.

Properties and Areas of Use

- Tough hard wearing film.
- Excellent chemicals and water resistance.
- Excellent abrasion resistance.
- Designed for application on extreme conditions.
- Used with low slip additive for floors and decks.

Technical Coating Data @ 25 °C for mixed material

Finish	Semi-gloss
Color Range	Grey (other colors available upon request)
Solids Volume	85 ± 2%
Dry Film Thickness Range	200-1000 µm
Theoretical Spreading Rate	4.25 m ² / L @ 200 microns DFT (loss factors will apply in practice)
Surface Dry	2 hours
Recoat Interval	4 hours minimum 7 days maximum
Complete Cure	7 days
Pot Life	1 hour
Flash Point	27°C
Shelf Life	24 months (stored in a cool dry place)
Mixing Ratio by Weight	4 Base component 1 Activator Component
VOC	309 g/L

Film Thickness and Spreading Rate:

	Minimum	Maximum	Typical
Film thickness, dry (µm)	200	1000	500
Film Thickness, wet(µm)	235	1177	588
Theoretical Spreading Rate (m ² /L)	4.25	0.85	1.7

Suitable Surfaces

- Steel and non ferrous metals properly prepared and blast cleaned to ISO-Sa2½ or power tool cleaned to St3 or St2.
- 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.

Shop primed 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

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

Colorama®

"Not Just Paint, But Real Protection"

- 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	4	2	1
Through Dry	6	3	2
Dry to recoat, minimum	8	4	3

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 change data without further notice.