

Colorama PU1004 URELUX

A two pack aliphatic polyurethane topcoat with excellent color and gloss retention due to its' excellent UV resistance.

Properties and Areas of Use

- Tough, hard wearing flexible film, with excellent color retention and weathering resistance
- Good chemical resistance and excellent water resistance.
- Can be easily over coated after long exposure periods
- Cures at low temperatures
- Used as a finish coat for various surfaces such as wood, concrete floors and structural steel of food and chemicals processing plants and anti-chemicals flooring.

Technical Coating Data @ 25 °C for mixed material

| | |
|-----------------------------------|---|
| Finish | High Gloss |
| Color Range | As per color card |
| Solids Volume | 63 ± 2% |
| Dry Film Thickness Range | 25-100 µm |
| Theoretical Spreading Rate | 12.6 m ² / L @ 50 microns DFT (loss factors will apply in practice) |
| Surface Dry | 30 min. |
| Recoat Interval | 4 hours minimum 10 days maximum |
| Complete Cure | 5 days |
| Pot Life | 2 hours |
| Flash Point | 28°C |
| Shelf Life | 24 months (stored in a cool dry place) |
| Mixing Ratio by Weight | 9 Base component 1 Activator Component |
| VOC | 539 g/L |

Film Thickness and Spreading Rate:

| | Minimum | Maximum | Typical |
|--|---------|---------|---------|
| Film thickness, dry (µm) | 25 | 100 | 50 |
| Film Thickness, wet(µm) | 40 | 159 | 79 |
| Theoretical Spreading Rate (m ² /L) | 25.2 | 6.3 | 12.6 |

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
- Wood must be abraded with sand paper No. 320 and primed with PU or polyester wood sealer

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 aluminium 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 TH908UE.

Conventional Air Spraying

- Thin with 5-25% Paint Thinner Colorama TH908UE, as required.
- Tip size - 2.0 mm
- Tip pressure - 60 psi (0.4Mpa) approximately

Airless Spraying

- Thin with 0-20% Paint Thinner Colorama TH908UE, 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 TH908UE.

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 | 1 h | 30 min. | 15 min. |
| Through Dry | 4 h | 2 h | 1 h |
| Dry to recoat, minimum | 12 h | 4 h | 2 h |

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:

Paint System for Steel

- PRIMAPOX Zinc 2K 75 μ
- PRIMABUILD 150 μ
- URELUX 50 μ

Paint System for Wood

- FONDAL – AC White 2 x 50 μ
- URELUX 2 x 50 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.