

Colorama PS1005

SILHEAT 600

A heat resistant silicone resin based aluminum paint

Properties and Areas of Use

- Heat resistant up to 600°C
- Good resistance to atmospheric exposure
- For best performance a temperature of 200°C after application for 60 minutes is recommended, to obtain sufficient cure
- For best appearance spray application should be used.

Technical Coating Data @ 25 °C for mixed material

| | |
|-----------------------------------|---|
| Finish | Semi-gloss |
| Color Range | Silver (other colors available per request) |
| Solid Content By Volume | 30 ± 2% |
| Dry Film Thickness Range | 25-35 µm |
| Theoretical Spreading Rate | 10 m ² / L @ 30 microns DFT (loss factors will apply in practice) |
| Surface Dry | 30 min. |
| Recoat Interval | 16 hours minimum 7 days maximum |
| Complete Cure | 24 hours |
| Pot Life | N/A (Single Pack) |
| Flash Point | 26°C |
| Shelf Life | 12 months minimum. |
| Mixing Ratio by Weight | N/A (Single Pack) |
| VOC | 604 g/L |

Film Thickness and Spreading Rate:

| | Minimum | Maximum | Typical |
|--|---------|---------|---------|
| Film thickness, dry (µm) | 25 | 35 | 30 |
| Film Thickness, wet (µm) | 83 | 117 | 100 |
| Theoretical Spreading Rate (m ² /L) | 12 | 8.6 | 10 |

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 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 TH921.

Conventional Air Spraying

- Thin with 5-25% Paint Thinner Colorama TH921, as required.
- Tip size - 2.0 mm
- Tip pressure - 60 psi (0.4Mpa) approximately

Airless Spraying

- Thin with 0-20% Paint Thinner Colorama TH921, 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 TH921.

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 | 16 | 8 | 6 |
| 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.

Typical paint system:

SILPROTECT 1 x 75 µ

SILHEAT 600 2 x 30 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.