

# Synthetic Paint Matt

## Technical Data Sheet



### Product description

Penguin Synthetic Paint Matt is a high quality, top coat alkyd resin based matt paint.

### Sphere of usage

Penguin Synthetic Paint Matt is designed for wooden and metal surfaces. It is easy to use. Spreads easily on the surface and does not leave a brush mark. It has high resistance to external factors such as moisture, sun, impact, etc.

### Film thickness and spreading rate

	Min	Max
Film thickness, dry ( $\mu\text{m}$ )	30	40
Film thickness, wet ( $\mu\text{m}$ )	47	63
Theoretical spreading rate ( $\text{m}^2/\text{lt}$ )	21	15.75

### Physical specifications

Color	Can be coloured with Multicolor system
Solid content (% by volume)	63 $\pm$ 3 (Depend on the colour)
Density (gr/ml)	1.56 $\pm$ 0.1 (Depend on the colour)
Viscosity (25°C) KU	110 $\pm$ 5
Gloss level	Matt
Thinner	It can be diluted with Penguin Synthetic Thinner up to 5-10%

### Paint consumption

Depending on the surface smoothness and the method of application, a single layer of 1 kg can be painted on an area of 12-15  $\text{m}^2$ . The consumption is affected by the roughness and porosity of the surface to be painted, as well as the method and conditions of painting.

### Surface preparation

Before application, the surface must be cleaned of old paint residues, dust, dirt and oil residues. After the metal surfaces are cleaned and primed with Penguin Synthetic Antipas, Penguin Synthetic Paint Matt paint is used. Penguin Synthetic Paint Matt should be thinned with Penguin Synthetic Thinner at a ratio of 15-20% when applied by brush and roller, and 10-15% when applied by air spray gun. It should be mixed well and used in two layers. The waiting time between layers is 6-8 hours, depending on the ambient temperature.

### Application methods

**Spray** Appreciate

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### Guiding data Airless spray

Pressure at nozzle	120 - 180 bar
Nozzle size	0.38 - 0.48 mm
Spray angle	60 – 80°
Filter	Filter must be cleaned

### Guiding data Airspray

Pressure at nozzle	3-5 bar
Nozzle size	1.2 – 1.5 mm

Brush	Appreciate
Roller	Appreciate

### Drying duration

The drying time mainly depends on the weather conditions, the thickness of the applied layer and the number of applied layers. The table below shows the approximate drying time of the paint depending on the air temperature.

- The area to be painted should be well ventilated (Open air or free air circulation)
- The paint should be applied at the recommended thickness
- The Relative humidity should not exceed 70%.

Weather temperature	10°C	23°C	40°C
Surface drying	10 hour	5 hours	3 hours
Top drying	30 hours	15 hours	9 hours
Full drying	30 hours	15 hours	9 hours

### Storage conditions

The paint should be stored in dry, cool, well-ventilated warehouses without direct sunlight, between +5°C and +35°C without opening the lid. It should be mixed well before use. Shelf life is 3 years in unopened packaging.

### Packing types

It is produced in 0.75 lt, 2.5 lt and 15 lt metal containers.

### The implementing operator

This product is intended for professional use. The applicator or operator must be experienced and knowledgeable about the product. The person in question shall mix and apply the paint according to the specification. Employees participating in the application must be provided with safety equipment.

### Product color

It can be painted in any color with water-based pastes. There may be slight variations in product color from batch to batch.

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### Attention

The above information is based on results obtained from laboratory tests and field applications. In applications outside the company's control, the company is solely responsible for the quality of the paint. It is not responsible for problems that may arise from implementation and application errors.

### Health and safety regulations

Follow the instructions on the container. Store in warehouses where there is no possibility of high temperatures and sparks. Use in well-ventilated areas. In case of contact with the skin during use, it should be washed with a suitable solvent and then with soap and water. In case of eye contact, wash with plenty of water and seek medical attention if necessary.

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S 2	: Keep out of reach of children.
S 3 / 7	: Keep the container in a cool place with the mouth closed/
S 24 / 25	: Avoid contact with eyes and skin.
S 29	: Do not dispose of in drains.
S 46	: In case of ingestion, consult a doctor immediately, show the container or label.

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**Note:** "CMT GROUP" LLC reserves the right to change the information on the technical data page without notice.

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