

# Penplus Extra

## Technical Data Sheet



### Product description

Penguin Penplus Extra is a high quality interior antibacterial emulsion which made on the basis of 100% pure acrylic polymers with very low VOS (volatile organic substances). Because of special formulation, it can cover microcracks up to 1mm on the wall. It has high coverage. The product is cleanable and washable. It is environmentally friendly and odorless.

### Sphere of usage

It can be used on all types of interior surfaces such as walls, ceilings, putty, plaster, concrete, plasterboard and betopan.

### Surface preparation

Before application, the surface must be cleaned of old paint residues, dust, dirt and oil residues. To obtain a smooth surface, the surface should be plastered, then if necessary, the surface should be sandblasted and primed with Penguin Binder. After 2-3 hours of primer application, the surface is ready for painting. Surface temperature should be between +5-+30°C, relative humidity should not exceed 80%. The product can be diluted with water up to 10%. It is applied in two layers with a brush or roller. Wait 4-6 hours between coats (depending on room temperature).

### Film thickness and spreading rate

	Min	Max
Film thickness, dry ( $\mu\text{m}$ )	40	60
Film thickness, wet ( $\mu\text{m}$ )	105	160
Theoretical spreading rate ( $\text{m}^2/\text{lt}$ )	6.3	9.5

### Physical specifications

Color	Baza P, Baza TR (Can be painted with Multicolor system)
Solid content	Penguin Penplus Extra Silk 60%±2 (by volume) Penguin Penplus Extra Mat 74%±2 (by volume)
Density (gr/ml)	Penguin Penplus Extra Silk 1.35±0.02 Penguin Penplus Extra Mat 1.55±0.02
Viscosity (25°C) KU	105±5
Gloss level	Penguin Penplus Extra Silk – Semi Gloss Penguin Penplus Extra Mat - Matt
Thinner	It can be diluted with water up to 5-10%

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### 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 10-13 m<sup>2</sup>. The consumption is affected by the roughness and porosity of the surface to be painted, as well as the method and conditions of painting.

### Application methods

<b>Spray</b>	Airless spray or convention spray can be used
<b>Brush</b>	Appreciate
<b>Roller</b>	Appreciate

### Values for an airless spray

Pressure	140 - 190 kq/sm <sup>2</sup> (2100 p.s.i.)
Spraying gun transition size	0.021'' - 0.027''
Spraying Angle	65° - 80°
Filter	The cleanliness of the filter must be observed

### 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
<b>Top drying</b>	12 hours	6 hours	2 hours
<b>Full drying</b>	16 hours	8 hours	4 hours
<b>Second layers, min</b>	12 hours	6 hours	2 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

Paint is produced in 2.25 lt, 6.75 lt and 13.5 lt iron containers.

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### 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.

### 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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