

# Penplus Extra

## Technical Data Sheet



### Product description

Penguin Penplus Extra is interior emulsion of high quality prepared on the basis of 100% natural acrylic polymer with VOS (volatile organic substances). Owing to special structure, it can cover micro cracks of 1mm. It has high transmittance property. The product is washable.

### Sphere of usage

It can be applied to all types of surfaces as well as plastered surfaces, ceiling, concrete, wall coatings, gypsum for interior wall works

### Film thickness and spreading rate

	Minimum	Maximum	Recommended
Film thickness, dry ( $\mu\text{m}$ )	40	60	50
Film thickness, wet ( $\mu\text{m}$ )	105	160	130
Theoretical spreading rate ( $\text{m}^2/\text{l}$ )	6.3	9.5	7.6

### Physical specifications

Color	Can be painted with Multicolor system
Dry residue content (weight %)	65 $\pm$ 2 - Matt 58 $\pm$ 2 - Silk
Shine	Silk, Matt

### Surface preparation

The surface to be painted should be eliminated from dust, dirt and sloshes before painting. All substances intervening adhesion should be eliminated. Old paint residues and dusty parts should be removed with scrubbing brushes.

### Rules of painting

The temperature of surface shall not exceed 10° C. Moisture indicator shall be measured on the surface. The relative humidity in concrete during application to the concrete shall not exceed 4%. In the process of solidification of concrete, the contact with oily, chemical substances and mechanical impact should be avoided.

### **Application method**

<b>Spray</b>	Airless spray can be used
<b>Brush</b>	Appropriate
<b>Roller</b>	Appropriate

### **Recommendations for application**

**Thinner** Can be thinned with 10% water

#### **Guiding data airless spray**

<b>Pressure at nozzle</b>	140 - 190 kg/cm <sup>3</sup> (2100 p.s.i.)
<b>Nozzle tip</b>	0.021” - 0.027”
<b>Spray angle</b>	65° - 80°
<b>Filter</b>	Check to ensure that filters are clean

### **Drying period**

Drying period depends on weather conditions, applied layer thickness and the number of layers. The approximate drying period based on the air temperature is provided in the following table.

- The area to be painted should be ventilated well (Open air or free air circulation)
- Paint should be applied in recommended thickness
- One layer should be applied on the neutral surface
- Relevant humidity should not exceed 70%

<b>Weather temperature</b>	<b>10°C</b>	<b>23°C</b>	<b>40°C</b>
<b>Top drying</b>	12 hour	6 hour	2 hour
<b>Full drying</b>	16 hour	8 hour	4 hour
<b>Second layer, min</b>	12 hour	6 hour	2 hour

### **Recommended painting system**

**Penguin Penplus Extra** 2 layers

**\* other systems can be applied according to usage.**

### **Storage regulations**

Paint should be stored in dry, cool, good ventilated, low temperature depot with no probability of striking of spark. Stir well before usage.

### **Packing types**

It is produced in 2.5 l, 7.5 l and 15 l steel containers.

## **Health and safety regulations**

Comply with rules indicated on the package. Store the product in low temperature depot with no probability of striking of strike. Use in good ventilated areas. If skin contact occurs, rinse with the relevant solvent then water and soap. In the case of eye contact, rinse with lots of water and if necessary, carry out medical intervention.