

Penakril Extra

Technical Data Sheet



Product description

Penguin Penakril Extra is 100% natural acrylic polymer based high-quality emulsion used for exterior works. Owing to special structure, it prevents carbonation of concrete surface. It doesn't fade due to the ultra violet resistance of pigments. Due to special properties of acrylic bindings it provides matt, semi-matt and gloss appearance of surface and provides saturation for a long term.

Sphere of usage

It is ideal for decoration and protection of exterior walls. It can be used successfully as a last layer coat on primers as well as on texture facade works. The coating can be used for painting of interior walls and carbonated walls.

Film thickness and spreading rate

	Minimum	Maximum	Recommended
Film thickness, dry (μm)	25	35	30
Film thickness, wet (μm)	65	92	80
Theoretical spreading rate (m^2/l)	10.8	15	12.6

Physical specifications

Color	Can be painted with Multicolor system
Dry residue content (weight %)	65 \pm 2 - Matt 42 \pm 2 - Silk 38 \pm 2 - Gloss
Shine	Gloss, 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

Spray	Airless spray can be used
Brush	Appropriate
Roller	Appropriate

Recommendations for application

Thinner	Water
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Guiding data airless spray

Pressure at nozzle	140 - 190 kg/cm ³
Nozzle tip	0.021” - 0.027”
Spray angle	65° - 80°
Filter	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%

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

Recommended painting system

Penguin Penakril Primer	1 layer
Penguin Penakril 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.