TECHNICAL DATA SHEET
PUR ENAMEL

- Two-component
- Protects and decorates
- Chemical and mechanical resistance
- UV protection

Colour: graphite, grey, steel
Effect: Satin
Capacity: 800ml component A + 150ml component B

PUR ENAMEL is an advanced polyurethane enamel, designed to protect and decorate a variety of surfaces. Its two-component formula guarantees exceptional resistance, both mechanical and chemical. Thanks to its unique formula, PUR ENAMEL provides unparalleled protection against mechanical damage and various chemicals. PUR ENAMEL effectively protects surfaces against moisture and dirt, which makes it much easier to maintain cleanliness and aesthetics of the protected surface. Thanks to this, this product is perfect both indoors and outdoors, and surfaces protected with enamel retain their colour intensity and aesthetics for a long time. PUR ENAMEL is perfect for protecting a variety of surfaces, including concrete, microcement, as well as floors and walls. Its versatility allows for a wide range of applications, both in residential and commercial spaces.

SUBSTRATE PREPARATION:
› The surface to be painted should be dry, clean, degreased and matted with sandpaper and then dust-free.
› Wash greasy or resin-treated areas with extraction gasoline.
› Raw wood should be seasoned (humidity max. 15%) and primed with a suitable primer.
› In renovation painting, old peeling coatings should be removed. Fill any cavities and cracks with the appropriate mass, and after drying, sand thoroughly with sandpaper.
› In order to reduce absorbency, prime the substrate with GRUNT primer.
› In order to obtain the appropriate adhesion of the enamel, before applying the next layer, the dried surface should be sanded with fine-grained sandpaper and then dedusted.

HOW TO USE:
› Immediately before painting, add component B to component A, mix thoroughly until a homogeneous mass is obtained.
Note: use the finished enamel (mixed component A+B) within 2 hours.
› Apply the first layer of enamel with a velour roller to the previously prepared surface, spreading thoroughly until an even layer is obtained and waiting for the coating to dry.
› The drying (curing) time of the coating is about 8 hours and depends on the conditions at the place of application of the product (temperature and humidity).

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› After the first layer has dried, apply the second layer of enamel in the same way.

Note: apply the second layer from the prepared new portion of enamel (component A+B).

SPECIFICATIONS:

Performance features	Research method	Requirements according to ISO/FPC	Test result (range)
Resistant to wet scrubbing	ISO 11998	Loss of thickness; after 7 days; 200 scrubbing cycles; ISO sponge	< 3.0 µm
Resistance to weather conditions (Xenotest)	ISO 16474-2	Damage assessment according to ISO 4628-1; after 500 h of artificial aging (UV+water spray)	0-1(S0-S1)
Press-fit resistance according to Buchholz	ISO 2815	Length of the recess; after 7 days	< 1.0 mm
Relative pendulum hardness	ISO 1522	After 24 hours; Persoz pendulum	0,3 - 0,5
		After 7 days; König's pendulum	0,5 - 0,8
Pull-off grip	ISO 4624	Peel strength; after 7 days; punch diameter 20 mm	> 1.5 MPa

Surface resistance to cold liquids according to EN 12720		
Fluids tested	**Time of the study**	**Immunity assessment***
Ethanol (48%)	1 h	4
NH4OH (10%)	1 h	4
Water demin.	10 days	5
Coffee (4%)	16 h	5
Tea (1%)	16 h	5
Red wine	16 h	4
Cola	16 h	5
Fatty acid (hand cream)	24 h	5
	10 days	5
Brake fluid (DOT4)	24 h	5
	10 days	5

* 5 – highest resistance, 0 – no resistance
Prepared on the basis of data from the manufacturer of the dispersion

ADDITIONAL INFORMATION:

› Use personal protective equipment when mixing and applying enamel.

› Do not dilute both component A and component B.

› Optimal application conditions: temperature from +10°C to +30°C and relative humidity below 70%.

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› Initial mechanical strength of the coating after 24 hours. Total mechanical and chemical resistance of the coating after 7 days, until then do not clean the painted surface, protect against water and dirt and mechanical damage.
› Mild detergents should be used to care for the painted surface. Do not use rough sponges.
› Wash the tools with water and detergent immediately after painting.
› After mixing the A and B ingredients, the can may become violently unsealed. Do not store in a closed container.

EFFICIENCY:
› Up to 12 m^2/l, depending on the type of substrate and method of application. Efficiency given for one layer.

NUMBER OF LAYERS:
› 2 to 3 layers, depending on the type of substrate and the desired effect.

SHELF LIFE:
› 24 months from the date of production. After mixing component A and B, use within max. 2 hours.

TRANSPORT AND STORAGE:
› Store and transport in airtight, original packaging at a temperature of +5°C to +40°C. Protect from frost.

COMMENTS:
› Keep out of reach of children.
› If swallowed, consult a doctor.
› VOC content limit (cat. A/j/WB): 140 g/l. The product contains max. 140 g/l.
› It contains 1,2-benzoisothiazol-3(2H)-one. May cause an allergic reaction.
› Detailed safety information is provided on the product packaging and in the Safety Data Sheet.

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