

PU TOP 210

Polyurethane Based, Two Component, Aliphatic Top Coat

Description

PU TOP 210 is a two component, aliphatic polyurethane based, interior and exterior top coat for concrete and metal surfaces, low viscosity, UV resistant, featuring a glossy or matt surface appearance, self levelling coating.

Fields of Application

- In wet volumes such as terrace, balcony, roofs etc.
- On concrete and metal surfaces.
- On polyurethane, polyurea and epoxy coated surfaces.
- On exterior surfaces as top coat because of UV resistant.
- For outdoor and indoor swimming pools.

Features and Benefits

- Resistant to environmental conditions and UV lights.
- Protects the surface against water, rain, sunlight.
- Resistant to mechanical loads, abrasion and chemicals.
- Provides water impermeability on applied all horizontal and vertical applications.
- Covers surface cracks and defects.
- Used on wet volumes such as terrace, balcony.
- Easy to clean, quick dry and dust-free.
- Long working time, protects elasticity and color.
- High scratch and abrasion resistance.

Technical Data

Content	Polyurethane	
Mixture Density	1,30 – 1,40 (g/cm ³ , 23°C)	(DIN EN ISO 2811-1)
Solid Content	71% ± 2 (by weight)	(depends on color)
Viscosity	18-25 minutes	DINCUP4/20°C
Mixture Rate	A/B 80/20 (by weight)	
Pot Life	6-8 hours	
Curing Time		
<i>Dust free drying</i>	<i>20 minutes (at 20°C)</i>	
<i>Touch drying</i>		
<i>Dry to handle</i>	<i>60 minutes (at 20°C)</i>	

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8 hours (at 20°C)

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Application Procedure

Preparation of Substrate

The application surface must be durable, dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. The residual moisture content of the substrate must not exceed 4%. Big pores and cracks should be repaired with suitable BAUMERK repair mortar. Surface preparation completed concrete surface should be primed with appropriate BAUMERK primers and epoxy or polyurethane application should be done, then PU TOP 210 will be ready for final coat application.

Application

Prior to mixing, stir part A and B separately with a mechanical drill at a very low speed. B component is poured into A component under low speed mixer, they are mixed together during 3 minutes until there remains no lump, getting homogenous mixture. After the mixing, prepared mixture can be applied on a surface, which is already primed with appropriated BAUMERK primer, with a brush, roller or spray gun. Mixture must be used within 40 minutes. Maximum 100 micron wet film thickness have to be applied for each layer. Two coats application is sufficient. Depending on the weathering conditions, second layer should be applied 2 hours later.

Consumption

150-200 gr/m² for each layer

Packaging

A component 16 kg + B component 4 kg = 20 kg set

Shelf Life

9 months in original, unopened package.

Storage

Store in dry area between +10°C and +25°C. Protect from heat, freezing and direct sunlight.

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Cleanup Information

Clean tools and equipment with thinner immediately after use. Dried material can only be removed mechanically.

Cautions / Limitations

- It may be harmful with skin contact.
- Do not apply in freezing conditions or during precipitation.
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry.
- Do not use when air and surface temperatures are below +10°C and above +30°C.
- Avoid heavy traffic for 24 hours.

Health and Safety

Warning! Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person.

Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations.

Keep container closed when not in use. Keep out of the reach of children.

Limited Warranty: This product is subject to a written limited warranty which can be obtained free of charge from BAUMERK Company. Please contact with technical service department for further information and support.