

SCHOUBIT PLAST 1K

Bitumen-Rubber Based, Single Component, Super Elastic Liquid Membrane

Description

SCHOUBIT PLAST 1K is a bitumen-rubber based, ready-to-use, single-component liquid membrane with elastomeric additives that used for insulating water and damp. By the evaporation of the water it contains, it adheres firmly to the applied surface and forms a highly elastic waterproof layer.

Fields of Application

- In building foundations,
- In basement floors and walls,
- In retaining walls,
- In tunnels and channels,
- In closed roofs and verandas.

Features and Benefits

- Easy to apply.
- It provides a seamless insulation layer.
- As a water-based material it is environment friendly.
- Due to its non flammable and non-toxic characteristics it can be safely used in closed areas.
- It provides permanent elasticity.
- It is ready to use.
- As a cold applied material, it does not require heating or thinning.
- It can cover capillary cracks.
- Immediately applicable, there is no need to wait for the curing of the concrete.

Technical Data

Content	Elastomeric polymer modified bitumen emulsion
Color	Liquid form is dark brown, dry form is black
Density	1,02 g/cm ³
Solid Content	60±2 %
Capillary Water Absorption	< 0,1 kg/m ² .h ^{0,5}
Carbon dioxide Permeability	>50 m
Elongation at break	>%1200
Pressurized Water Strength	>1 atm, 24 hours

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Water Vapor Permeability	5m < SD < 50m (Class II)
Adhesion Strength	>0,8 N/mm ²
Elongation at Low Temp. / Crack Bridging	High performance
Soil Bacteria Strength	High performance
Application Thickness	2,5 – 4 mm
Service Temperature	-10°C to +60°C
Application Temperature	+5°C to +40°C
Drying Time	
<i>Touch dry</i>	1 hour
<i>Full curing</i>	5-6 hours
<i>Mechanical strength</i>	5 days
HS Code	2715.00.00.00.00

Application Procedure

Preparation of Substrate

The application surface should be without dust, rust, dirt, grease and oil. The loose parts should be scrapped out. **B PR 101** should be used on non-metallic surfaces, **B PR 102** should be used on metallic surfaces as primer. The sharp corners or horizontal-vertical joints should be rounded and angled with **PH 55**.

Application Method

SCHOUBIT PLAST 1K is a cold applied and ready to use material, it does not need to dilution. It can be applied with a bitumen brush, airless pump or trowel. Depending on weather conditions, it dries in approximately 5-6 hours. It should not be applied in rainy weather, when the temperature below +5°C. Next layer should be applied on dry layer.

Consumption

1,0 – 1,5 kg/m² for each layer. Recommended at least 2 layers application

Packaging

20 kg metal pail

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Shelf Life

12 months in original, unopened package

Storage

Store in dry area between +5°C and +35°C. Protect from heat, freezing and direct sunlight.

Cleanup Information

Clean tools and equipment with water immediately after use. Dried material can only be removed with industrial type solvents or 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 +5°C and above +40°C.

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.