

BROOT 120

Bitumen-Rubber Based, Anti-root, Super Elastic Liquid Membrane

Description

BROOT 120 is a modified bitumen-rubber and solvent-based, single-component, ready to use waterproofing super elastic liquid membrane that containing root inhibiting additives. By the evaporation of the solvent, it adheres firmly to the surface it is applied, and forms a seamless durable waterproof and anti-root film.

Fields of Application

- Against rainfall and roots in terrace gardens, roofs and balconies,
- Provides waterproofing to underground garages and other structures which are covered with soil,
- Against ground humidity and leakage in foundations, foundation piles, retaining walls and curtain walls,
- Provides waterproofing to galleries, and drainage and water channels.

Features and Benefits

- Protects the insulation system from root.
- Provides seamless insulation coat.
- Applied as cold. Does not required heating or thinning.
- Quick dry.
- Elastomeric
- To ensure perfect durability against higher pressure, it can be reinforced by glass fabric, geotextile felt or fiber mesh.

Technical Data

Content	Bitumen Modified
Color	Black
Density	0,98 g/cm ³
Solid Content	65%
Elongation at Break	1000%
Elastic Recovery	90%
Softening Temperature	+120°C
Application Temperature	+5°C to +35°C
Drying Time	

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<i>Touch dry</i>	20 minutes
<i>Full curing</i>	2-4 hours
<i>Mechanical strength</i>	48 hours
HS Code	2715.00.00.00.00

Application Procedure

Preparation of Substrate

Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and loose pieces. Sharp tips and horizontal/vertical joints which are suitable cracking should be chamfered with **REPAMERK 1** or **PH 55**. Big pores and cracks should be filled with **REPAMERK 301** repair mortar.

Application Method

BROOT 120 is a ready to use material, it does not require heating or thinning. It is applied only to the side contacting with water (positive insulation). It can be applied with a brush, roller or airless pump at least 3 layers. To ensure strong adherence, avoid dust, and improve durability, non-metallic surfaces must be undercoated with **B PR 101**, and metallic surfaces must be undercoated with **B PR 102**. Although **BROOT 120** dries as fast as in approximately 2 hours, it is recommended to wait for a day before the application of the next coat. To ensure perfect durability against higher pressure, it must be reinforced by bearing materials such as glass fabric, felt, and insulation fabric.

Consumption

0,600 kg/m² for each layer. Recommended at least 3 layers application.

Packaging

17 kg metal pail

Shelf Life

12 months in original, unopened package

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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 industrial type solvents immediately after use. Dried material can only be removed mechanically.

Cautions / Limitations

- Flammable material.
- 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 +35°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.