

TECHNO KRAFT BITUCOAT 100

Polymer-modified bitumen rubber-based, Single-Component Waterproofing Material



PRODUCT

DESCRIPTION

A polymer-modified bitumen rubber-based, single-component waterproofing product. It can be easily applied with a brush, trowel or spray machine, providing a permanent flexible waterproofing.

APPLICATION AREAS

Foundation and retaining walls
In wet areas, retaining walls
Horizontal and vertical surfaces,
Protection and insulation of structures and structural elements against water and moisture
External insulation of water tanks,
In the insulation of basements and storage areas,
It can be used for bonding insulation and drainage boards.

As it is not a UV-resistant product, it must be properly covered after application.

ADVANTAGES

Easy to prepare and apply.
Provides seamless waterproofing.

It adheres completely to the applied surface.
Features crack bridging capability.

It is a water-based product and environmentally friendly.
Can be applied on vertical and horizontal surfaces without sagging.

TECHNICAL

SPECIFICATIONS

Material Properties

Composition

n	: Polymer Modified Bitumen Rubber
Colour	: Rubber
Density	: Brown, black when dry
Solid Content	: 1.20 kg/l
Application	: 71%
Temperature	: +5 °C to 35 °C
Service Temperature	: -20 °C to 80 °C
Bucket Contents	: 30 kg
Full Cure	: 2–5 days

APPLICATION DETAILS

Surface Preparation

The surface to be applied must be solid, dry, clean, and free of loose particles.
. Sharp edges and corners on the surface should be rounded off with a spiral grinder, and deep voids filled with repair mortar. Internal corners and wall joints should be chamfered.
The surface to be treated must be primed with a solvent-free bitumen primer and the primer must be completely



Figure 1: Ready for use in a plastic bucket.



Figure:2 Coating



Figure: 3 First Coat Application

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Application should proceed after the material has dried. Surfaces that may reduce the material's adhesion should be roughened.

Priming

The product can be diluted to create a primer. The material should be applied evenly with a suitable brush and applied to horizontal surfaces without allowing the material to accumulate. The primer should be allowed to dry and then the main application should be carried out. It is recommended to use at a rate of 0.25 kg/m².

Application

The prepared surface should be applied in at least two coats using a brush, trowel, or spray. After the first coat application, the second coat should only be applied once the first coat has fully dried. The second coat should be applied perpendicular to the first coat.

CONSUMPTION

1 To achieve a dry film thickness of 1 mm, approximately 1.5 kg/m² should be applied.

Application Area

	Dry Film (mm)	Consumption (kg)
Areas exposed to ground moisture	3 mm	4.5-5 kg/m ²
Temporary water pressure insulation	3 mm	4.5-5 kg/m ²
Areas exposed to continuous pressurised water	4 mm	6 – 6.5 kg/m ²

PACKAGING

Packaging Type: Plastic bucket. **Pallet Dimensions:** 80x120 **Contents:** 18 buckets/pallet

STORAGE

Unopened and stored in a shaded environment, the shelf life is 24 months. Care must be taken with product circulation and shipments should be made according to the "FIRST IN, FIRST OUT" principle.

CONDITIONS TO BE CONSIDERED

Application should not be carried out during rain or when there is a possibility of rain. After application, protect from frost, sun and strong winds for the first 24 hours.

The application should be made to the part of the structure that comes into contact with water.

In cold weather, the curing of the material will be slower, so the second coat application should not be carried out until the first coat is completely dry.

Attention must be paid to the application temperature, and the application must be carried out within the temperature range of +5°C to +35°C. is required.

WARNING and LIABILITY

Use of the product for purposes other than its intended use or failure to comply with the application conditions specified above

. VARLIK MINERAL GEOTHERMAL ENERGY MINING CONSTRUCTION TRADING INC. shall not be liable for any errors arising from non-compliance.



Figure: 4 Second coat application



Figure 5 Drainage Application and Protection



Figure: 6 Wear appropriate protective equipment.

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PERFORMANCE TABLE

TEST	STANDARD	CRITERIO	RESULT
Water impermeability	EN 15820	Duration: 24 hours Pressure: 0.075 Bar Dry film thickness ≥ 3 mm (Without files)	W1
Crack bridging	EN 15812	Bridged Crack: ≥ 2 mm	CB2
Flexibility at Low Temperatures	EN 15813	Duration: 1 hour Temperature: 0 °C Method:	Pass
Dimensional Stability at High Temperatures	EN 15818	Bending in 3 seconds	Pass
Water Resistance	EN 15817	Duration: 2 hours Temperature: 70 °C	Pass
Rain Resistance	EN 15816	28 days immersion in water Watering is carried out 24 hours after application.	R1
Reduction in Layer Thickness	EN 15819	Should be less than 50%.	Pass
Fire Class	EN 13501-1	Euroclass	E