

TECHNO KRAFT BITUSEAL 200

Polymer Modified Bitumen Rubber-Based, Two-Component Waterproofing Material

PRODUCT

DESCRIPTION

A polymer modified bitumen rubber-based, two-component waterproofing product. Provides seamless, permanent waterproofing.

APPLICATION AREAS

Foundations and retaining walls
In wet areas, retaining walls
Horizontal and vertical surfaces,
Protection and insulation of structures and structural elements exposed to water
External insulation of water tanks,
In the insulation of basements and storage areas,
Can be applied in the bonding of panels for insulation and drainage purposes.
As it is not a UV-resistant product, it must be properly covered after application.

ADVANTAGES

It is easy to prepare and apply.
Provides seamless waterproofing.
It adheres completely to the applied surface and has crack-bridging properties.
It is a water-based product and environmentally friendly.
Can be applied on vertical and horizontal surfaces without sagging.

TECHNICAL

SPECIFICATIONS

Material Properties **Component A:** Polymer-modified bitumen rubber

Colour **Component B:** Cement-Based Powder
Brown, black when dry

Density (A / A+B) Component : 1.13 kg/l / 1.20 kg/l

Solid Content Ratio (A/A+B) : 59% / 69%

Application Temperature : +5 °C to 35 °C

Service Temperature : -20 °C 80 °C

Mixing Ratio (A/B) : 24+8

Curing : 3 hours

Pot Life : 1-2 hours

Full Curing : 1-5 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 stone, and deep voids
It should be sealed 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: Bucket Contents



Figure 2: Mix at 400-600 rpm is made.



Figure 3: Priming



Figure: 4 First Coat Application

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Material should proceed after the material has dried. Surfaces that may reduce the material's adhesion

should be roughened.

Product Preparation

The powder component should be slowly added to the liquid component and mixed at a speed of 400-600 rpm until a homogeneous mixture is obtained. The mixed material should be used within 1-2 hours.

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 be applied only after the first coat has completely dried.

The second coat should be applied perpendicular to the first coat. To obtain a dry film thickness of mm, 1.5 should be applied.

CONSUMPTION

Application Area	Dry Film (mm)	Consumption (kg)
Areas exposed to ground moisture	3 mm	4.5-5 kg/m ²
Temporary waterproofing against pressurised water	3 mm	4.5-5 kg/m ²
	4 mm	6-6.5 kg/m ²
Areas exposed to continuous pressurised water		6-6.5 kg/m ²

PACKAGING

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

STORAGE

Shelf life is 24 months in an unopened and shaded environment. Pay attention to product circulation.

Deliveries 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 likelihood of rain. After application, the area must be protected from frost, sunlight, and strong winds for the first 24 hours.

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

In cold weather, the curing of the material will be slower, so 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.

WARNING and

RESPONSIBILITY JEOTERMAL ENERJİ MADEN İNŞ. TİC.A.Ş. shall not be held liable for any errors arising from the use of the product for purposes

VARLIK MİNERAL GEOTERMAL ENERGY MINING CONSTRUCTION TRADE INC. shall not be held liable for any resulting errors.



Figure:5 Second coat application



Figure 6: Drainage Application and insulation Protection



Figure: 7 Wear appropriate equipment.

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PERFORMANCE TABLE

TEST	STANDARD	CRITERIO	RESULT
Water resistance	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 soaking in water Watering is carried out 8 hours after application.	R2
Reduction in Layer Thickness	EN 15819	Should be less than 50%.	Pass
Fire Class	EN 13501-1	Euroclass	E