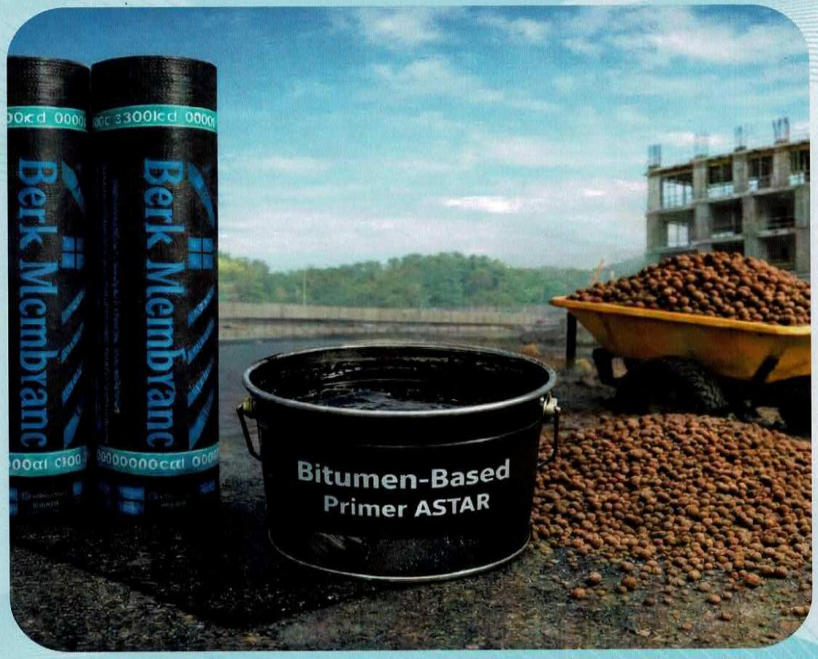
BERK
GERDEN

CONSTRUCTION MATERIALS

We use only high-quality, environmentally friendly raw materials



Introduction

About us

The Berk Gerden Economic Society is a modern, dynamically developing Turkmen enterprise that uses advanced technologies in the production of building materials.

Production

The company's production factories are located in the east of the country, in the Lebap region of Turkmenistan. The production is equipped with modern equipment that meets international standards.

Quality

Improved formulas and high-quality raw materials allow us to produce excellent quality building materials.

Sales markets

Our products have long been actively exported to countries near and far abroad: Kazakhstan, Uzbekistan, Tajikistan, Georgia, Azerbaijan, Estonia, Northern Cyprus, and others.

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Our products

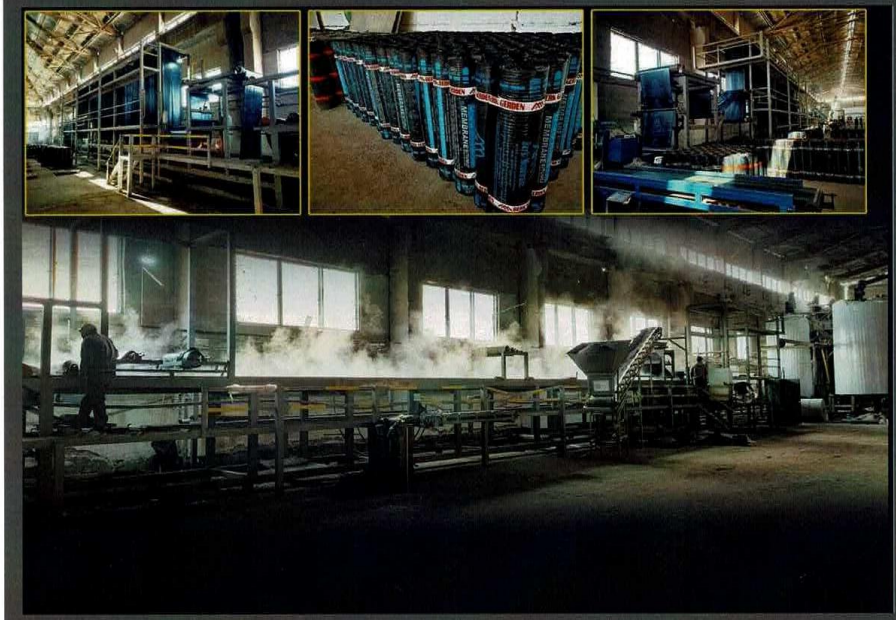
BITUMEN MEMBRANE

BITUMEN PRIMER

EXPANDED CLAY

PUTTY

I. Production of waterproofing roll bitumen materials. Capacity: 5 280 000 m2 per year



WATERPROOFING BITUMEN MEMBRANE

Types of bitumen-polymer waterproofing membrane

APP membrane	SBS membrane
Reinforcement: polyester	Reinforcement: polyester
Thickness: 3-5 mm	Thickness: 3-5 mm
Top protective coating: PE film; aluminum foil; slate granule	Top protective coating: PE film; aluminum foil; slate granule
Bottom protective coating: PE film; alumin. foil; slate granule	Bottom protective coating: PE film; alumin. foil; slate granule
Heat resistance: +125° C Cold bending: 0°; -5°	Heat resistance: +125° C Cold bending: -10°; -20°

II. Production of bitumen mastics and emulsions. Capacity: 21 600 tn per year

Bitumen-Based Primer ASTAR

Composition:

bitumen 50-70% of the total mass
water 30-50% (creates material flow)
emulsifiers 1-2% (stabilize the structure, prevent delamination)

Product data:

Material base: Bitumen emulsion
Color: brown-dark brown
Density: 1.1 g/cm3
Water resistance, kgf/cm3: 10
Water absorption by weight, %, not more than: 6.0
Heat resistance, °C, not less than: 75
Adhesion strength to concrete, MPa (kgf/cm2), not less than: 0.6 (6)
pH: 7.1

BITUMEN-BASED PRIMER ASTAR

Description of the material:

It is used as a primer before application of bituminous membrane or bitumen-based water insulation material on horizontal and vertical surfaces in the interior and exterior areas. It is used as a vapor blocking water insulation layer for the insulation and protection of concrete surfaces. It is also used in foundations, retaining walls, terraces, silos, warehouses and building facades.

Ensures that the bituminous materials coated on it adheres to surface stronger thanks to its superior adhesion.
Ready to use and easy to apply on the surface.
Environment-friendly as it is water based.
May be used safely in enclosed areas as it does not contain combustible and poisonous materials.
It is applied as cold. Does not require heating and thinning.

III. Expanded clay production. Capacity: 108 000 m3 per year

Description of the material:

Expanded clay is like lightweight, hard "clay balls" that retain heat, are fire-resistant, water-resistant, and last a very long time, making homes warmer and structures lighter.

Key properties of expanded clay:

Durability: Despite its light weight, it has high mechanical strength, especially with its lower porosity.
Effectively retains heat in winter and coolness in summer, rivaling synthetic insulation.
Thermal insulation: Effectively retains heat in winter and coolness in summer, rivaling synthetic insulation.
Soundproofing: Excellent noise absorption, ideal for floors and ceilings.
Fire resistance: Non-flammable and non-melting, making it fireproof.
Frost resistance: Withstands multiple freeze/thaw cycles without deterioration.
Environmentally friendly: Natural, does not emit harmful substances, and is resistant to rot, mold, and insects.
Chemical inertness: Resistant to acids and alkalis.
Low water absorption: Due to the fused surface of the granules, which is important for wet areas.

EXPANDED CLAY

Scope

Expanded clay is one of the most popular materials, widely used in many areas, including construction, road works, plant production, landscape design, agriculture.

Construction:
In the production of lightweight concrete (foamed concrete)
- In the production of foamed concrete blocks
- To protect floors, walls, foundations, roofs, and building perimeters from heat and cold
- In filling pits
- In the preparation of heat- and sound-insulating plaster

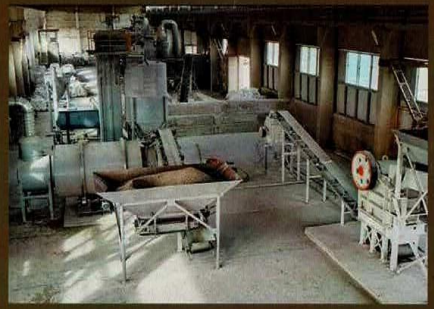
Road construction: Expanded clay is used as a lightweight, drainage, and thermal insulating layer under roads, especially on marshy and soft soils.

Plant Growing: The water-retaining properties of expanded clay are very beneficial for plants. They remove excess water while maintaining the necessary moisture.

Landscape Design: Expanded clay comes in a variety of colors and is widely used as a decorative material.
- Flower beds and garden beds
- Garden paths and lawns
- Recreation areas
- Around the base of trees

Agriculture: Keramzite replaces soil in hydroponics, creating a porous base for roots, retaining moisture and nutrient solution, providing ventilation and preventing rotting. Clay is also an effective alternative to cocopit (coconut substrate), which is much more expensive than clay. Cocopit clay can often be used once, while claystone can be used repeatedly.

IV. Dry mix construction production. Capacity: 43 200 tn per year



Types of putty

Primer putty
This material is needed to improve adhesion between layers, strengthen the substrate, and even out the surface's absorbency so that the putty lays smoother, prevents cracking, and is used more economically. It removes dust, binds small particles, and creates a moisture barrier, ensuring the durability of the finish (paint, wallpaper).

Finishing putty
It is used to create a perfectly smooth and even surface on walls and ceilings during the final stages of renovation, before painting, wallpapering, or applying other decorative finishes. It eliminates even the smallest defects, chips, and unevenness after the initial filler application, ensuring excellent adhesion for the final finish.

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For Your Attention