

# ExperProof BT 51

**COLOR OPTIONS:** Component A:  
Brown before drying, black after drying  
Component B: Grey  
Set: Black after application

**32**

±%2 KG

**Component A:**  
24 kg/plastic bucket  
**Component B:**  
8 kg/plastic bag  
Set (A+B): 32 kg/set



## Waterproofing Materials

# 15814 309224

GÜVEN MADENCİLİK İNŞAAT SAN. ve TİC. A.Ş.

### MODIFIED BITUMEN-RUBBER AND CEMENT BASED, WATERBORNE, TWO-COMPONENT, ELASTIC LIQUID WATERPROOFING MATERIAL

Modified Bitumen-Rubber and Cement based, waterborne, two-component, ready to use, elastic liquid waterproofing material.



WATERBORNE

HIGH  
FLEXIBILITYHIGH  
BONDING

### TECHNICAL SPECIFICATIONS

Chemical Structure	Component A: Polymer modified bitumen with rubber additives Component B: Cement based fine powder
Mixture Density	1,20 (± 0,05) gr/cm <sup>3</sup> (A+B)
Solid Content	A: ~ %62 – A+B: ~ %71
Pot Life	2 hours
Drying Time	3 hours
Full Curing Time	1-5 days
Water Impermeability	Class W1
Crack Bridging	CB1 (≥1 mm)
Resistance To Rain	Class R1
Resistance To Compression	Class C1
Fire Response	Class E
Consumption	1,5 kg/m <sup>2</sup> (for 1 mm thickness)

\* All technical values are calculated at +23°C and 55% relative humidity.  
Changes in temperature and humidity change the technical values.

### ADVANTAGES

- Affordable.
- Easy and fast to apply.
- Can be applied on dry and damp surfaces.
- Cold applied and dries in a short time.
- Provides seamless and jointless waterproofing on the applied surface.
- High bonding feature.
- Does not sag on vertical surfaces.
- Maintains its elasticity. Covers capillary cracks.
- Resistant to positive directional water pressure.
- Since it is waterborne, it is an environmentally friendly product.
- Since it does not contain flammable and toxic substances, it is also suitable for indoor use.

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## **APPLICATION AREAS**

Used as waterproofing material:

- Indoors and outdoors,
- On horizontal and vertical surfaces,
- On mineral based surfaces such as concrete, plaster, screed etc,
- Against ground dampness, leaking water and unpressurized groundwater in foundations, curtain walls, wet areas and balconies of buildings,
- Undercoating waterproofing material in roofing applications,
- Bonding of thermal insulation boards to bituminous membranes,
- In waterproofing applications of wet floors such as kitchen, bathroom etc.,
- In the external waterproofing of water tanks.

## **SURFACE AND APPLICATION CONDITIONS**

- If the surface is concrete, it must be cured and the moisture content of the concrete must not exceed 4%.
- Do not apply on wet, high humidity, frozen surfaces or surfaces with the risk of freezing within 24 hours.
- Air temperature should be between +5°C and +35°C during application.

## **SURFACE PREPARATION**

- The application surface must be dry. It should be cleaned from dust, dirt, rust, paint, oil and similar substances that will reduce adherence.
- Damaged parts, unstable surfaces and cracks should be repaired with the appropriate ExperRepair product.
- Inner edges and corners should be chamfered with ExperRepair structural repair mortars, outer edges and corners should be rounded mechanically.
- The prepared surface should be primed with ExperPrime BP 40 primer and made ready for waterproofing application.

## **PREPARATION OF MIXTURE**

- Before mixing, make sure that the material temperatures are between +10°C and +30°C.
- Add component B (powder) to component A and mix with a low speed mixer until a homogeneous mixture is obtained.
- No external substances should be added to the mixture during mixing or application.

## **APPLICATION DETAILS**

- ExperProof BT 51 is applied to the surface with a roller brush, trowel, brush or airless spraying machine (spray).
- Ensure that the surface is completely covered and a non-porous coat is formed.
- Apply at least two coats.
- For large areas, it is recommended to use ExperBrace RM 12 waterproofing mesh between the layers as it increases the reinforcing features of the waterproofing system.
- The waiting time between layers is 4-6 hours. Make sure that the first coat is completely dry before applying the second coat.
- It is recommended to apply surface smoothing with a roller immediately after spray application as it will ensure proper adhesion conditions.

## **WARNINGS**

- Do not apply in weather conditions below +5°C above +35°C, in rainy and/or windy weather.
- Do not apply on wet, high humidity, frozen surfaces or surfaces with the risk of freezing within 24 hours.
- Do not add water or any other substance externally.
- After application, the surface should be protected against water, rain, dew, snow, hail, etc. until it is completely dry.
- The applied surface should be covered and protected against external conditions within 3 days.
- In foundation curtain wall waterproofing applications, soil filling should not be done without protection after the application.
- After spray applications, the product in the machine installation should be cleaned before it sets.
- ExperProof BT 51 is not suitable for waterproofing applications of drinking water tanks and swimming pools.

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## CONSUMPTION

- 1,5 kg/m<sup>2</sup> (for 1 mm thickness)

\*Consumption may vary according to surface roughness.

## EQUIPMENT CLEANING

- Equipment should be cleaned with soapy water immediately after use. Cured material can be cleaned with thinner.

## STORAGE AND SHELF LIFE

- Should be stored in its unopened original packaging, in a dry environment, protected from frost, between +10°C and +30°C. Products should not be overloaded in a way to damage their packaging.
- Shelf life under appropriate storage conditions is 12 months from the date of production. Since products in opened packages will freeze in a short time; they should not be stored again and should be consumed.

## SAFETY PRECAUTIONS

- During use, work clothes, protective gloves and masks should be used in accordance with the rules of Occupational and Labor Health. Eye, mouth and skin contact should be avoided and the contact area should be washed with plenty of water. In more dangerous situations or in case of ingestion of the product, a specialist doctor should be consulted immediately. Food and beverages should not be brought into the application areas. Keep out of the reach of children. For detailed information, the Safety Data Sheet (SDS) should be consulted.

## PRODUCT LIABILITY

- Güven Madencilik İnş. San. ve Tic. A.Ş., is only responsible for the quality of EXPERAS branded products. All data presented are the result of practical and scientific studies. The manufacturer cannot be held responsible except for the use of the correct products in appropriate areas and conditions.

## LEGAL NOTES

- The information and recommendations for the use of EXPERAS branded products are provided in good faith based on technical knowledge and experience, provided that they are maintained and handled under normal conditions and in accordance with the recommendations. Along with the products, the areas of use and surfaces may vary widely. It is necessary to ensure that the correct EXPERAS branded products are applied on appropriate surfaces and under appropriate conditions. In addition, all information and instructions regarding commercial factors and technical conformity must be strictly followed. The manufacturer cannot be held responsible for any damages and problems that may occur if not complied with. The applicator/user is obliged to make the relevant checks to ensure these details. The specifications of EXPERAS branded products may be changed when necessary. The property rights of third parties must be respected. When the order is confirmed, all existing technical conditions are essential for sales and transportation.

## REFERENCE STANDARDS

- TS EN 15814

