

## GRADASEAL BT 1K

### Bitumen Polymer Latex Emulsion One-Component Waterproofing Material

#### DESCRIPTION

**GRADASEAL BT 1K** is one component, polymer bitumen base, solvent free, safe waterproofing material having crack bridging feature.

#### APPLICATION AREAS

It is used in terms of insulation and protection of concrete surfaces against water pressure from outside in:  
Basement and curtain walls,  
All horizontal and vertical surfaces,  
Terraces, roofs and balconies,  
Insulation of wet volumes,  
Any reinforced concrete structures having cracking possibility;  
Foundation and sub-foundation.

#### CHARACTERISTICS AND ADVANTAGES

It is ready for use.  
It provides waterproofing.  
Its crack bridging capacity is high.  
It has high adhesive force.  
It is resistant to plant roots and micro-organisms.  
It is UV resistant.

#### APPLICATION METHOD

##### Surface Preparation

It should be paid attention that the surfaces it will be applied should be clean and steady. Concrete surfaces should be roughened by methods such as wire corrosion. Cracks, porous places and swelling should be eliminated and improved. If there is water leakage in the surface, drainage should be performed and it should be filled by plug grout.

##### Application

Application should never be performed in rainy weathers and wet surfaces. It is applied by brushes, rolls and by spraying. Second layer application is performed after the first layer is dried. In wide area applications, polyester (40 gr/m<sup>2</sup>) netting strengthening is required. The surface should be protected external factors such as rain for 24 hours after the material is applied.

#### CONSUMPTION

Approximately 4,5 kg/m<sup>2</sup> for 3 mm dry film thickness

#### PACKAGING

30 kg plastic bucket

#### TECHNICAL CHARACTERISTICS

Color	Brown, Black
Intensity	1.26 ± 0.01 kg/lt
pH	11.0-12.0
Viscosity	70 d Pa.s
Solid Matter	% 71,0 ± 1,0 %
Application Place Soil Temperature	+5°C - +35°C
First Drying Period	4-5 hours
Complete Drying Period	1-3 days

These values are provided for +23±2°C temperature and 50±5 % relative humidity environment conditions.

#### WARNINGS

It should be used between +5°C and +35°C.  
No foreign substance should be added within the mortar prepared. Mortar, whose usage period ends, should not be re-used by water addition.  
Application should never be made on the surfaces, which are under sunlight for a long time and frozen.

#### STORAGE AND SHELF-LIFE

Lifetime in unopened original packaging by protecting from sun and frost in cold and dry environment is 12 months.

#### SAFETY PRECAUTIONS

During application; working clothes, protective gloves, goggles and mask in accordance with Labor and Worker Safety should be used. Due to corrosive effects of cement materials, they should not come into contact with the skin and the eyes, in case of contact they should be washed with plenty of water and soap, in case of swallowing, medical advice should immediately be sought. Foods and beverages should not be brought to application areas. They should be stored in places out of reach of children. For detailed information, Material Safety Data Sheet should be seen.

#### LIABILITY

Data included in this technical document is based on our scientific and practical information. GRADA Yapı Kimyasalları A.Ş. is only responsible for the quality of the product. GRADA Yapı Kimyasalları A.Ş. may not be held responsible for the results to occur due to misuses and /or usage out of written advices related to where and how to use the product.



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