



## **BITUMEPOL 812**

**Two component, polyurethane based, bitumen containing fast curing, elastic, cold applied liquid membrane.**

### **DESCRIPTION:**

Two component, polyurethane based, bitumen containing fast curing, elastic, cold applied liquid membrane.

It adheres perfectly to almost any surface to which it is applied, forming a high elastic film.

It is chemically cured to form an elastic and durable film.

### **ADVANTAGES:**

Easy preparation (brush, roll or with airless spray).

When applied, it forms a one-piece waterproofing layer that does not cause seams or leaks,high stretching,

Very high elasticity

Fast curing

Excellent mechanical properties, high elongation, tensile, tear and abrasion resistance.

Stable water and frost resistant.

Heat resistance performance in wide temperature range, it is between -40 °C and + 90 °C.

Even if the waterproofing layer is damaged in any way the damaged part can be easily repaired in a short time,

Can be used as a joint material.

Resistant to chemicals.

### **USAGE AREAS:**

Water tank (excluding drinkable water stock),

Floors,

Grounds,

Bridge platforms,

Open-close tunnels,

Can be applied in bath, terrace and in the roofs under tiles.

Retaining Walls,

Plaster and cement panels,

EPDM membranes,

Asphalt membranes,

Green roofs and plant tars,

Lightweight roof (metal or fiber cement),

Car park.

### **TECHNICAL SPESIFICATION :**

( 23 °C Temperature and 50 % for relative humidity)

**Coating Type** : Polyurethane - Bitümen

**Color** : Black

**Density** : 1,00 gr/cm<sup>3</sup> ±0.02

**Viscosity** : 3000-3500 cp

**Application Temperature** : +5 C ile +35 C

**Thinning** : Not Suggested

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**Teoric Consume : 1,50-2,00 kg/m<sup>2</sup>**

**Pot Life : 20 C 30-35 minutes**

**Elasticity : > % 2000**

**Adhesion to Concrete : < 2,0 N/mm<sup>2</sup>**

**Break Resistance : >2,0 N/mm<sup>2</sup>**

**Application Metod: Roll,Brush,Spray**

**Dry Time: 1 hour**

**Coating Again: 8-24 hours**

**Complete Dry : 7 days**

**\*\*\*These values were obtained as a result of laboratory tests, just contain finished applications according to drying time performance. Due to differences in temperature and humidity values in the construction site, the values may change.**

### **APPLICATION METHOD:**

#### **Surface Preparation:**

The surface; must be cured, dry and durable. Loose surface mortar and such as residues should be cleaned and reached durable surface.

The holes and gaps on the surface, should be repaired with the repair mortar prepared by mixing with **DAYMAN PAIR PLUS** and **DAYMAN EPO MORTAR** or **DAYMAN EPO BOND**.

Corner joints should be chamfered by series of **DAYMAN REPAIR PLUS** with the size of 4x4.

Out corner joints should be broken first and then chamfered.

#### **Preparation Of The Mixture:**

A and B component should be mixed by a medium 400-600 rpm.mixer until having a homogenous shape,

#### **Application:**

The surface should be primed with AQUAPOL PR 800, AQUAPOL PR WT 801 or a suitable primer.

The application should be done by brush, trowel or spray,

The ready mix should be used in 30 minutes,

The gelled mix should not be used,

On the primed surface, the bucket can be immerse or poured, use brush or roll until the surface completely covered, apply minimum two layer,

Application temperature should be between +5°C +30°C

#### **ISSUES TO BE CONSIDERED:**

If the weather is rainy or possible rainy days the application should not be done,



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After the application it must be protected from strong wind, storm and sun in the first 24 hours,

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

As the product become slowly cured in the cold weathers, the second coating must be done when the first coating is completely becoming dry.

Ensure that the ambient and floor temperature is between 5 ° C and 30 ° C.

### **CLEANING OF INSTRUMENTS:**

BITUMEPOL - 812 should be cleaned by solvent when it wet.

BITUMEPOL - 812 after become dry should be cleaned by the mechanical ways.

### **CONSUME:**

Only for one layer, min.: 0,750-0, 1, 00 kg/m<sup>2</sup>

Total theoretic consume (for two layer): 1, 50 – 2, 00 Kg/m<sup>2</sup>

### **PACKING:**

15, 00 + 15,00 – 00 kg

80x120 pallet dimension

16 set / 36 bin on pallet

### **COLOR:**

Black

### **SHELF LIFE:**

Shelf life is 12 months.

Should be stored in the dry and cool are, should be attended to not put under sun or the area that takes direct sun and should be protected from the frost.

Do not stack pallets on top of each other, it should be shipped first in first out.

### **SAFETY RECOMMENDATIONS:**

Wear work clothes, protective gloves, glasses and masks should be used during application.

Do not smoke during the application and work in a well-ventilated place and away from naked flames.

Hands and eyes should be protected by protection equipment.

As cured materials has irritating effect, do not touch with skin and eyes, in case of any contact rinse with soap and plenty of water, in case of any swallow see doctor urgently.

Food and beverage materials should not be kept in the application area and should not be eaten.



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It should be known that the solvent is heavier than air, so remember that it will be on the ground.

Store out of reach of children.

For more information please check the Material Safety Data Sheet.

### LIMITATIONS OF LIABILITY:

The information in this technical data sheet is given according to technical information, experience and test result.


As GENERALTÜRK A.Ş. cannot control the usage of the product that used under which kind of conditions, it does not accept any responsibility for the application result and does not guarantee it.

The product suitability for the product user should be tested and decided accordingly. All products should be considered in the advice of those technical knowledge and equipment.

GENERAL TURK A.Ş can not accept any responsibility that occurs because of miss-use, it only responsible for the written suggestions that shows the products where and how use.

GENERALTÜRK A.Ş. It may change the properties of its products without announcement.

The technical data sheet is valid until the next time it is printed and all previous technical data sheets invalidate the description / January 2020

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<b>GENERALTURK TEKNİK YALITIM KİMYA END. SAN. TİC. A.Ş.</b> YUNUSELİ MH. 15. YAVUZ SK. NO: 21 OSMANGAZİ - BURSA / TÜRKİYE <b>20</b>	
<b>2765 - CPR - 0157 EN 1504 - 2</b>	
<b>BITUMEPOL 812</b>	
<b>PRODUCTS AND SYSTEMS FOR THE PROTECTION AND REPAIR OF CONCRETE STRUCTURES</b>	
<b>Principle 1 (PI): Protection against Ingress, Method 1.3 Coating ©</b>	
<b>Principle 2 (MC): Moisture Control, Method 2.2 Coating ©</b>	
Coating Type	Polyurethane - Bitümen
Density	1,00 gr/cm <sup>3</sup> ±0.02