

## **POLİMER LIQUID 1K PLUS (with fibres)**

Elastomeric Acrylic Resin Based, UV  
Resistant, Super Elastic Waterproofing  
Material

Product Technical Document

Issue: 04.01.2017

Revised:

### **Description**

POLİMER LIQUID 1K is an elastomeric acrylic resin based, fiber reinforced, single component, UV resistant, ready to use Super Elastic waterproofing material.

### **FEATURES**

- Single component. ▪ Ready to use, easy to apply. ▪ High adhesion strength. ▪ Colorable. ▪ Creates crack bridge and remains its elasticity. ▪ UV resistant. ▪ Water-based, nontoxic, and nonflammable

### **TYPICAL APPLICATIONS**

- On inclined terrace roofs, ▪ On exterior areas for vertical and horizontal applications, ▪ On concrete, zinc and precast rain gutters, ▪ On concrete, plaster, brick, tile, gas concrete, wood, galvanized steel, zinc etc. for protecting building against water and moisture.

### **Technical Data**

Content : Elastomeric Acrylic Resin Based Coating

Color : White, Grey, Green, Red

Density : 1,40 g/cm<sup>3</sup>

Elasticity : 400% for 1mm

Application Temperature : +5°C to +30°C

Service Temperature : 20°C to +80°C

Drying Time (depending on the ambient temperature)

Surface drying : 4-5 hours

Full curing : 24-36 hours for 1mm thickness

Mechanical Strength : 5 days

HS Code : 3209.10.00.00.11

### **Application Procedure**

#### **Preparation of Substrate**

The application surface must be clean, durable and dry, clean off materials which prevent bonding, such as dust, oil, rust etc. Big pores and cracks on the application surface should be filled with CONREPA 410 repair mortar. Sharp tips and horizontal/vertical joints which are suitable cracking should be chamfered with CONREPA 410 repair mortar or BAND 120.

#### **Application Method**

POLİMER LIQUID is a ready to use material. Depending on the application surfaces, POLİMER LIQUID should be applied as a primer with thinned by water in the ratio of 1:1 or applied PRIMER 405. First coat of POLİMER LIQUID should be diluted with 20% water, for second coat does not need dilution. If the surfaces that will be walked on have to reinforced with suitable mesh; first layer of POLİMER LIQUID is applied on dry primer with brush or roller. While first layer is wet, apply the fibermesh on it by roll, and ensure that the fibermesh is buried into POLİMER LIQUID. Leave to dry for minimum 2 hours. Then, complete the application of the 2nd layer of POLİMER LIQUID so that the net beneath will be covered completely. Apply the final coat so that the total covering thickness will be completed and leave the covering to dry for one night. Application must be protected from direct sun light, wind, frost and rain in 24 hours. POLİMER LIQUID is not applied on wet and damp surface. Not recommended for water tanks, pools.

#### **GRADA YAPI KİMYASALLARI VE İNŞAAT MALZEMELERİ ÜRETİM SAN. TİC. A.Ş.**

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## Consumption

0,75 – 1,5 kg/m<sup>2</sup> for each layer. Recommended at least 2 layers application. 2-3 kg/m<sup>2</sup> for drain pipes and rain gutters, 3-4 kg/m<sup>2</sup> for terrace applications.

## Packaging

5-20 kg plastic bucket

## Shelf Life

12 months in original, unopened package

## Storage

Store in dry area between +5°C and +35°C. Protect from heat, freezing and direct sunlight.

## Cleanup Information

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

## Cautions / Limitations


- Do not apply on wet volume areas.
- Do not use in water tanks, pools and basement foundations.
- It may be harmful with skin contact.
- Do not apply in freezing conditions or during precipitation.
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry.
- Do not use when air and surface temperatures are below +5°C and above +30°C.
- The surfaces that will be walked on have to reinforced with suitable mesh.

## Health and Safety

*Warning! Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person. Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection.*

*Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations. Keep container closed when not in use. Keep out of the reach of children.*

**Limited Warranty:** *This product is subject to a written limited warranty which can be obtained free of charge from GRADA A.Ş. Company. Please contact with technical service department for further information and support.*

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GRADA YAPI KİMYASALLARI VE İNŞ. MALZ. PAZ. VE ÜRT. SAN. TİC. A.Ş. Çınardere Mah. Akan Sok. No:13/3 Kat:2 Pendik / İstanbul <b>TÜRKİYE</b> <b>19</b>	
<b>1020 – CPR – 040 060274</b> <b>DOP NO: 0003 EN 1504-2:2004</b> <b>GRADA POLİMERO LIQUID</b> Tek Bileşenli Akrilik Reçine Esaslı Tam Elastik Su İzolasyon Malzemesi Kaplama Uygulaması 2.2/8.2	
Su Buharı Geçirgenliği	Sınıf I $s_D < 5$ m
Kapiler Su Emme Ve Su Geçirgenliği	$w < 0,1 \text{ kg/m}^2 \text{ h}^{0,5}$
Çekip Koparma Deneyi Yoluyla Yapışma Dayanımı	$\geq 1 \text{ N/mm}^2$
Yangına Tepki	C s1 d0
Tehlikeli Maddeler	Madde 5.4'e uygun



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