



## Liquid Rubber Membrane

**ISONEM BE 89** is a 700% elastic liquid bitumen, rubber modified coating. After drying, it forms a waterproof coating on applied surfaces. High elasticity and crack hiding property. Suitable for insulations of old or new roofs and use under the ground, but not affected by underground waters. It strongly adheres to dry or slightly moist surfaces. It does not swell or peel off over time. Resistant to the plant roots. Also suitable for use in garden & terraces.

### USAGE AREAS

- Foundation, shear wall, external walls of the basement,
- Covering on old or new terraces or roofs,
- In the re-insulation of old bitumen or bitumen surfaces,
- On membranes or repairs,
- Roof gutters,
- In the insulation of concrete pipe, brick, wood, zinc, areated concrete etc. surfaces,
- Protection of all concrete surfaces under the ground against corrosion.

### APPLICATION INFORMATION

#### Surface Preparation :

Application surfaces should be dry or slightly damp. It should not be used in insulations which is from the negative side and on the basement wall where is appeared salt efflorescence. Application surfaces should be cleaned from all kinds of particles, dirt, a bonding agent, dust, mud. Firstly, gap, hole, crack and segregation on the surfaces should be repaired with **ISONEM M03** elastic mortar by using **ISONEM D10 Latex** as bonding agent. If there is dilatation, it should be filled with **ISONEM A4** Elastic Filler. As a primer, **ISONEM BE 89** is used as diluted with water 1:1. The primer is impregnated to surface via a hard brush and waited to dry completely. For applications on terraces and roofs, R-3 cm chamfer should be applied to the walls and parapet bottom before this process. In terrace and roof applications, it is recommended to lay an insulating mesh of 45 gr/m<sup>2</sup> and the application should be done with it. There is no need for mesh in the basement.

**PACKAGING :** 18 kg of PE bucket

**CONSUMPTION :** Min 12 - 18 m<sup>2</sup> / bucket (PRIMER + 3 LAYERS )

**STORAGE :** 24 months in original, unopened package, cool and dry environment.

**Application type: ISONEM BE 89** Ready to use, it should be mixed homogeneously before application. **ISONEM BE 89** is applied by brush or roller without diluting to the surface 2-3 layers and waiting to dry between the layers. The application should be made in perpendicular layers each time. It is recommended to use the 45 g / m<sup>2</sup> insulation mesh between the floors in terraces and roofs or on floors with high risk of cracking. Application should not be made in high temperatures or frost. In summer, we recommend that the application be done in the morning or evening. It should be ensured that the roofs on which the application will be made are given the correct and sufficient slope for suitable water drainage. Suitable water drainage. In order to avoid ponding on the roof, it is recommended to use with groud detail in chamfer applications.



**IMPORTANT**  
Application surface, during and after the application of rain, water, mechanical impacts and so on. 24 hours should be protected from all external factors.

**General Features**

- Provides %100 Waterproofing
- B S1 d0 Fire Class
- Elastic
- UV Resistance

**Application Conditions and Risks**

**Things to consider during and after the application**  
The application surfaces must be clean and free from dirt, oil, rust etc..

**Applicable temperature**  
Between +5 and +35°C

**ISONEM products for surface preparation**  
Use ISONEM BE 89 as a primer, is used as diluted with water 1:1

**Application requirement**  
The application should not be made in extreme heat or frost. The application should be made in perpendicular layers to each other.

Surface Floor	Concrete	Marble, Granite	Raw wood	Tile & Ceramic	Membrane, Shingle etc.	Steel & Metal
Application	in perpendicular to each others	X	X	X	X	X
Surface Humidity	Dry, slightly humid	X	X	X	X	X
Application Tools	Roller (Synthetic epoxy), brush, spray	X	X	X	X	X
Primer Usage	is used as diluted with water 1:1	X	X	X	X	X
Primer Conspt	200 - 300 g/m <sup>2</sup>	X	X	X	X	X
Product Usage	2 - 3 Layers	X	X	X	X	X
Product Conspt	1 - 1,5 kg/m <sup>2</sup>	X	X	X	X	X
Betw. Two Coats	6 Hours	X	X	X	X	X
Ready to Use Time	24 Hours	X	X	X	X	X

