

## ARKIM ARSEAL/3111

### ■ Definition

Elastomeric resin based, ready-to-use, super elastic, single component water insulation material.

### ■ Area of application

-It is used to insulate pitched roofs and terraces coated with concrete, plaster, cement sheet, galvanize, zinc, aluminum, PVC, polyester or wood.

-It is used in water insulation of building facades as well as the details such as cracks, eaves and chimney flashing.

### ■ Application features

-Application thickness: 1-1.5 mm

-Time to wait between layers: 6 hours

-Time to touch: 2 hours

-Time to wait for ceramic application: 7 days

-Time to commission: 7 days

-Highly resistant to UV light.

-600% elastic.

-Paintable.

### ■ Surface preparation

-The application surfaces must be cleared of loose layers, dust, dirt and oil decreasing the adherence. It is suggested to strengthen the surfaces dusting of which cannot be eliminated by applying screed.

It is necessary to take care that the application surface is robust and cured.

-If there are faults and cracks on the application surface, it is necessary to repair them with ARKIM ARREPAIR THIN-ARKIM ARREPAIR THICK or ARKIM ARSEAL that is turned into paste by mixing with fine sand in the ratio of 1:3.

-Prior to application, the surface must be primed with ARKIM ARSEAL thinned with water in the ratio of 1:4.

### ■ Application conditions

-Ambient temperature should be between +5 °C and +30°C

-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.

-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

### ■ Warnings and Advices

-Do not apply this product on surfaces that have not set yet.

-Do not apply this product when it is too hot, under direct sunlight, under the weather conditions such as high wind, fog, high relative humidity, or when rain is anticipated.

-Pay attention to the product storing conditions. Do not keep the product in humid or very hot places.

-Wear protective gloves, goggles and clothing during the application. Avoid contact with eyes and skin. In case of contact with skin, wash the contact region with plenty of water and soap. In case of contact with eyes, wash the eyes immediately with plenty of water and seek medical assistance. Keep away from the children. Do not swallow the product nor use empty packages to store drinking water.

### ■ Application tools

Brush, roller

### ■ Application

-The insulation material must be mixed prior to the application, applied in 3 coats (1-1.5 mm) in case of horizontal application, or 2 coats (0.75-1 mm) in case of vertical application by means of brush or roller.

-It is necessary to wait for 4 hours between the coats, depending on the temperature.

-If the application is paused, the insulation material package must be kept closed.

-In reinforcement of wide surfaces and bridging of the junctures such as parapet corners, chimney flashing and of the cracks, ARKIM ARSEAL must be applied together with its special insulation filter. This process must be applied after priming.

-The surfaces exposed to foot and load traffics must be clad with a protective coating material such as screed, ceramic.

### ■ Consumption

1.5 kg/m<sup>2</sup> (for 1 mm thickness)

**• Performance Details**

- Tensile/adhesion strength after keeping in limewater:  
≥ 0.5N/mm<sup>2</sup>
- Initial tensile/adhesion strength: ≥ 0.5N/mm<sup>2</sup>
- Tensile/adhesion strength after water submersion:  
≥ 0.5N/mm<sup>2</sup>
- Tensile/adhesion strength after thermal aging:  
≥ 0.5N/mm<sup>2</sup>
- Tensile/adhesion strength after freeze-thaw cycles:  
≥ 0.5N/mm<sup>2</sup>
- Watertightness: ≤ 20 g
- Crack bridging: ≥ 0.75 mm
- Density: Approximately 1,75 gr/cm<sup>3</sup>
- Temperature resistance: between -30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

**• Reference Standards**

- TS EN 14891/DM
- Ministry of Public Works Pos. No: 04.509

**• Packaging**

- 20 kg plastic container
- 18 and 36 pieces in crate

**• Storage Conditions**

- Can be stored for 12 months in its original packaging in a dry and cool ambient with an ambient temperature between 5°C and +35°C. Must be protected against sun and frost. -Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.