

ARKIM ARSEAL SET PLUS/3322**■ Definition**

Cement-based, double-component, extra elastic water insulation mortar containing additives providing water impermeability through acrylic dispersion.

■ Area of application

- Indoor and outdoor horizontal and vertical applications,
- Permanently wet areas like pool,
- Water tanks, wet areas (bathroom, kitchen, WC),
- Terraces, balconies,
- Surfaces exposed to mobility (foot-load traffic, flexion),
- Small-scale terraces, balconies,
- Seawater channels,
- Places to be protected against saltwater,
- Pedestrian walkways near the sea,
- Foundation, shear and retaining walls,
- Surfaces like concrete, plaster, screed.

■ Application features

- Using time: max. 2 hours
- Workable period: max. 20 minutes
- Time to wait between layers: 6 hours
- Time to wait for ceramic application: 3 days
- Time to commission: 7 days

■ Surface preparation

- The application surfaces must be cleared of loose layers, dust, dirt and oil decreasing the adherence.

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

- Any irregularities and cracks on the application surfaces, if any, must be repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK reinforced with ARKIM ARLATEX.

- It is necessary to saturate the application surface with water, and keep it moist throughout the application. ARKIM ARASTAR must be used to obtain better result.

■ Application conditions

- Ambient temperature should be between +5 °C and +35°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 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.
- Do not add any additive to the powder mortar other than its own liquid component.
- Pay attention to the product storing conditions. Do not keep the product in humid or very hot places.
- Do not apply this product on surfaces that have not set yet.
- 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

Hand mixer, trowel, brush, roller

■ Application

- Place 7 kg of component B into a clean plastic container. Add 20 kg of component A to the liquid slowly, and mix them to have no lump preferably with a low-speed mixer.
- Leave the mortar to mature for 5 minutes, and mix it again before starting the application.
- The prepared mortar must be applied on the surface in at least 2 coats 90-degree to each other with roller or brush. It is necessary to wait for 5-6 hours between the coats depending on the temperature, but this period must not exceed 24 hours.
- The second coat must be applied before the first coat dries completely, and if the first coat has dried, the surface must be moistened slightly again before applying the second coat. Totally 2-3 mm application thickness will be sufficient.
- During the application, the corners must be rounded after the first coat, and the second coat must be applied on such rounded parts.

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-After the second coat has been applied, the surface must be protected against sunlight, rain, dust and quick dry for 3 days. Do not apply this product under direct sunlight.

-It is recommended to use net between two coats during the application.

It is necessary to wait for no less than 7 days before commissioning or coating the areas where this product was applied.

■ Consumption

1.5-2 kg/m² (for single coat)

• Performance Details

-Tensile/adhesion strength after keeping in limewater:

≥ 0.5N/mm²

-Initial tensile/adhesion strength: ≥ 0.5N/mm²

-Tensile/adhesion strength after water submersion:

≥ 0.5N/mm²

-Tensile/adhesion strength after thermal aging:

≥ 0.5N/mm²

-Tensile/adhesion strength after freeze-thaw cycles:

≥ 0.5N/mm²

-Watertightness: ≤ 20 g

-Crack bridging: ≥ 0.75 mm

-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/CM

-Ministry of Public Works Pos. No: 04.477/2

• Packaging

-ARKIM ARSEAL SET A in 20 kg Kraft bag; 80 bags on pallet, 1600 kg

-ARKIM ARSEAL SET PLUS B in 7 kg plastic container

• Storage Conditions

-Powder Component: -It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.

-This product must be stored in dry indoor areas away from direct sunlight. Bags must be stored so as not to contact with the ground in order them to be protected against humid.

-Under such conditions, the product can be stored for 12 months as of the production date.

-Liquid Component: - 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.