

ARKIM ARSEAL TECH/3233**■ Definition**

Cement-based, single component water insulation mortar that includes chemicals providing water impermeability.

■ Area of application

- Indoor and outdoor horizontal and vertical applications,
- Permanently wet areas like pool,
- Water tanks, wet areas (bathroom, kitchen, WC),
- Small-scale terraces, balconies,
- Foundation, shear and retaining walls,
- Surfaces like concrete, plaster, screed.

■ Application features

- Application thickness: 2-3mm
- Using time: max. 90 minutes
- Workable period: max. 10 minutes
- Time to wait between layers: 6 hours
- Time to wait for ceramic application: 4-5 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.

-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.

-Since it contains cement, its dust must not be inhaled. Avoid contact with skin and eyes. In case of contact, wash your skin/eyes with plenty of water. Use protective equipment such as mask, gloves etc. during the works.

■ Application tools

Brush, roller

■ Application

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.

-It is necessary pay attention to cleanliness of the water and materials used.

-Pour 25 kg powder mortar slowly into 8.5-9 l water for brush application, or 5.5-6 l water for trowel application, and mix until no lump appears.

-A low speed mixer must be used to obtain a homogeneous mixture.

-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes. Before starting the application, the mixture must be remixed for 1-2 minutes.

-After the mixture has become homogeneous, never add powder, water or another material.

-Spread the prepared mortar neatly on the surface with brush or trowel.

-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. This thickness can be obtained in single coat application with trowel.

-During the application, the corners must be rounded after the first coat, and the second coat must be applied on such rounded parts.

-After the second coat has been applied, the surface must be protected against sunlight, rain, dust and quick dry for 1 day. Do not apply this product under direct sunlight.

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

-The mixture in the container must be consumed in 1 hour, and if this period has been exceeded, the mortar must not be used.

-Since it is a product applied finely, it must be clad with a protective coating material such as screed, ceramic. It is necessary to wait for no less than 7 days before commissioning or coating the areas where this product was applied.

■ Packaging

-In 25 kg kraft bags

-Pallet: 80 pieces of 2000 kg in total

■ Storage Conditions

-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.

-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

■ Consumption

2 - 3 kg/m² (for 2 mm thickness)

■ 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:

ARKIM ARSEAL TECH Gray 04.477/2