

# CLASSIC ALUMINUM

## Asphaltic waterproofing membrane

### DESCRIPTION

Asphaltic membrane produced by the physical modification of asphalt with special polymers and structured with polyester, which imparts to the asphaltic mass excellent adhesive power, elasticity, durability and resistance. The exposed face of the membrane is finished with highly flexible, ozone-resistant, aluminized sheeting.

### TECHNICAL CHARACTERISTICS OF THE PRODUCT

Characteristics	Unit	Type II
Thickness	mm	3 & 4
Resistance to longitudinal & transversal traction (minimum)	N	180
Longitudinal and transversal elongation (minimum)	%	2
Water absorption (maximum)	%	1,5
Flexibility at low temperatures	°C	Class C = 0
Resistance to impact	J-Joule	2.45
Drooping from heat (minimum)	°C	95
Dimensional stability (minimum)	%	1
Flexibility after aging	°C	Class C = 10
Watertightness (minimum)	w.c.m	10
Tear resistance (minimum)	N	100

### REFERENCE NORMS

- NBR 9952 – Asphaltic Membranes for Waterproofing (Applies to Type II – Class C)

### UTILIZATION

**Classic Aluminum** is a product for small dimension non-passable concrete slabs, penthouse apartments with asbestos-cement or metallic tiles, concrete troughs/gutters, industrial kitchens and shed floors. For other uses consult the Technical Department (sac@viapol.com.br).

### USAGE INSTRUCTIONS

#### Preparation of the Surface

The surface must first be washed, be free of dust, sand, residues of oil, grease, release agent, and stains of any type of substance that may hinder adhesion of the product.

#### Concrete slabs and troughs, sheds

On the moist horizontal surface execute the regularization with a minimum trim of 1% in the direction of the water run-off points. The regularization mortar should be prepared with cement and medium sand, ratio 1:3, using kneading water composed of 1 volume of **Viafix** adhesive emulsion and 2 volumes of

water for better adhesion to the substrate. This mortar must be given an even finish, with a minimum thickness of 2cm.

In the region of the drains create a recess 1cm in depth, measuring 40x40cm, with beveled edges so that the entire waterproofing will be level after executing the reinforcements to be made at this location.

All corners and edges must be rounded off with a radius of approximately 5cm to 8cm.

In the vertical masonry areas, execute roughcast of cement and medium sand, ratio 1:3, followed by the application of well evened mortar of cement and medium sand, ratio 1:4, using kneading water composed of 1 volume of **Viafix** adhesive emulsion and 2 volumes of water.

In the entrance spans of buildings (doorways, frames, etc.), the regularization should advance a minimum of 60cm into the interior, under doorjambs and casings, respecting the trim to external areas, except in the case of internal areas with wood flooring or flooring subject to degrading from the action of moisture. It is recommended that external areas have an elevation at least 6cm less than internal areas, both in the level of waterproofing as well as in the level of finished flooring.

Dilatation joints should be considered as watersheds so as to prevent the accumulation of water. The joints should be clean and unobstructed, allowing for their normal shifting.

Drainpipes and other outcrop pieces should be adequately fixed to allow execution of finishing.

#### Penthouse apartment with tiled roof

The tiled roofing should have a minimum trim of 5% and all broken tiles should be replaced..

Evaluate the condition of all flashings and rain gutters that comprise the roofing. Check if they should be removed or replaced and if they are correctly fixed.

The roofing should be cleaned prior to application of the **Classic Aluminum** asphaltic membrane.

#### Application of the product

First apply one coat of **Viabit, Adeflex or Ecoprimer** primer on the tiled roofing or dry regularization with a roller or broad brush and allow to dry for a minimum of 6 hours.

#### Concrete slabs, troughs and sheds.

Align the **Classic Aluminum** asphaltic membrane according to the realignment of the area, initiating adhesion from the drainpipes towards the more elevated areas.

With the aid of a LPG gas blowtorch flame, execute the complete adhesion of the **Classic Aluminum** membrane. The membrane seams should have an overlap of 10cm, which is to be beveled to achieve a perfect seal.

Execute the membranes in the horizontal position, rising up 10cm in the vertical position.

Align and adhere the membrane in the vertical position, then descend and lay a 10cm overlap on the membrane applied in the horizontal. In the vertical position the membrane should be adhered 30cm higher than the level of the finished floor.

After the application of the asphaltic membrane, conduct the watertightness test by filling the waterproofed area with water, maintaining the level for a minimum of 72 hours.

After the watertightness test apply two coats of aluminum paint along the beveling line (membrane seams).

#### Penthouse with tiled roof

When there is a parapet around a tiled roof extending higher than the level of the tiles, with the aid of a LPG gas blowtorch flame execute a reinforcement of **Classic Aluminum** around the entire perimeter, adhering it a minimum of 10cm in the vertical position, then descend and adhere the membrane 10 cm on the tiling, making sure to adhere the membrane totally on the tiling. This procedure does not substitute the metal plate flashings.

Before initiating execution of the membrane, we recommend that the screws holding the tiles in place be covered with a small patch of **Classic Aluminum** membrane to prevent damage to the main membrane at these spots with the passage of time.

Align the **Classic Aluminum** membrane, initiating the application from the lowest point to the highest point of the roof.

After applying the first length of membrane, execute seams between subsequent strips of membrane, preferably along the upper convex of the tiles, with 10cm overlaps, which are to be subsequently beveled to achieve a perfect seal.

Execute the laying of the **Classic Aluminum** membrane, rising 10cm in the vertical above the reinforcement of **Classic Polyester** asphaltic membrane

Apply two coats of aluminum paint along the beveling line (membrane seams).

## CONSUMPTION

**Asphaltic membrane:** 1.15 m<sup>2</sup> of area, considering overlaps and losses from cutouts of edges.

**Primer:** 0,40 l/m<sup>2</sup>

## FINISH OF MEMBRANE

Upper face exposed to inclement weather: lined with flexible aluminized sheeting.

Lower face, to be adhered to structure: lined with polyethylene film removable with blowtorch flame.

## PACKAGING / STACKING

Spools 1m in width containing 10m of membrane;;

Pallets with 25 spools of 4mm membrane - 250 m<sup>2</sup>;

Pallets should be stacked as recommended to avoid collapse of the stack and damage to the products.

Stack the product vertically on pallets, avoiding contact of product with the floor.

Do not stack the product against walls or partitions.

Stack up to 2 pallets, with the second pallet resting on Madeirit for better distribution of the weight.

## VALIDITY / STORAGE

5 years from date of manufacture.

Store the product in the vertical position, in the original intact packaging, in a covered, dry ventilated location, far from sources of heat.

## SAFETY RECOMMENDATIONS

Prior to starting work consult the SISCP (Safety Information Sheet for Chemical Products) of the products.

Due to applications at high temperature application, use adequate clothing and PPE - (respirator, split leather gloves, boots, over-sleeves, leggings, apron and safety eyewear), keeping the area ventilated until the product has dried completely.

In closed/indoor areas it is imperative to use forced ventilation and semi-facial mask equipped with a filter adequate for organic vapors.

When a blowtorch is used for applying the waterproofing system in a closed/indoor area, we recommend that the gas cylinder be kept away from the work area for greater safety.

## ENVIRONMENTAL PRECAUTIONS

Dispose of materials in an appropriate location in accordance with regulations based on local environmental legislation in force.

## FIRST AID

Consult the SISCP of the products.

In case of contact of hot product with the skin, cool the area immediately with cold water, until the product cools and hardens, then cover the burnt region and seek medical assistance.

In case of intoxication by inhalation, move the victim to a well ventilated location and immediately seek medical assistance.

In case of contact with the eyes, wash copiously with potable water and seek medical assistance.

In the eventuality of irritation of the eyes or skin, or ingestion of the product, consult a doctor, stating the type of product involved.

For further details consult the catalogues of the following products: **Viafix, Adeflex, Viabit, Ecoprimer.**

*Note: The information contained in this datasheet is based on our best knowledge, and is provided for your help and guidance. We need to point out that the performance of our products depends on the preparation conditions of the surface and the storage and application of the product, factors not subject to our control. The consumption of the product depends on the application technique, the condition of the equipment used, and the surface to be coated. We do not, therefore, accept any responsibility of any nature regarding the consumption and performance of our products arising from inadequate storage or use of the product. For further clarification please consult our Technical Department.*

*Viapol reserves the right to alter the specifications and/or the information contained in this datasheet without prior notice..*