

PREMIUM ALUMINUM GLASS

Asphaltic waterproofing membrane

DESCRIPTION

Asphaltic membrane produced by the physical modification of asphalts with polymers. The membrane is structured with fiberglass gauze, is rot-proof, non-hygroscopic and of high dimensional stability. The exposed face is finished with highly flexible, ozone-resistant aluminized sheeting, forming a surface that reflects sunlight and ensures the longevity of the asphaltic membrane.

TECHNICAL CHARACTERISTICS OF THE PRODUCT

CHARACTERISTICS	UNIT	TYPE II
Thickness	mm	3
Resistance to longitudinal & transversal traction (minimum)	N	180
Longitudinal and transversal elongation (minimum)	%	2
Absorption of water (maximum)	%	1,5
Flexibility at low temperatures	°C	Classe B = -5
Resistance to impact	J-Joule	2.45
Drooping in heat (minimum)	°C	95
Dimensional stability (maximum)	%	1
Flexibility after aging (minimum)	°C	Classe B = 5
Watertightness (minimum)	w.c.m	10
Tear resistance	N	100

REFERENCE NORMS

- NBR 9952 – Asphaltic Membranes or Waterproofing (Applies to Type II – Class B)
- NBR 9575:2010 – Waterproofing – Systems & Projects;
- NBR 9574:2008 – Execution of Waterproofing.

UTILIZATION

Premium Aluminum Glass is a product for the waterproofing of non-passable slabs of small dimensions, penthouse apartments with asbestos-cement or metallic roofing tiles, concrete troughs, flooring of industrial kitchens and sheds.

For other uses consult the Technical Department (sac@viapol.com.br).

USAGE INSTRUCTIONS

Preparation of the surface

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

Slabs, concrete troughs and 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 a levelled finish with a minimum thickness of 2cm.

In the region of the drainpipes create a recess 1cm in depth, measuring 40 x 40cm, with beveled edges, so that the entire waterproofing will be level after the application of 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 regularizing 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 floors subject to degrading from the action of moisture. It is recommended that external areas have an elevation at least 6cm less than internal elevations, both in the level of waterproofing as well as in the level of the 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 their normal shifting.

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

Penthouse apartment with tiled roof The tile roofing should have a minimum trim of 5% and all broken tiles must be replaced.

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

The roofing should be cleaned prior to applying the **Premium Aluminum Glass** 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 brush and allow to dry for a minimum of 6 hours.

Slabs, concrete troughs and sheds:

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

With the aid of a LPG gas blowtorch flame, execute the complete adhesion of the **Premium Aluminum Glass** membrane. The membrane seams should have an overlap of 10cm which are to be beveled to provide perfect sealing.

Apply the membranes in the horizontal position, with an upward rise of 10cm in the vertical position.

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

After 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 apply a reinforcement of **Premium Glass** asphaltic membrane around the entire perimeter, adhering it a minimum of 10cm in the vertical and then 10cm on the tiling, ensuring that the membrane has adhered totally. This procedure does not substitute the metal plate flashings.

Before initiating the application of the aluminum membrane, we recommend that the screws holding the tiles in place be covered with a small patch of **Premium Glass** membrane to prevent the principal membrane from damage at these spots with the passage of time.

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

After laying the first length of the membrane, execute the seams between subsequent lengths of the membrane, preferably on the upper convex of the tiling, with a 10cm overlay (overlap). These seams must subsequently be beveled to achieve a perfect seal.

Execute the application of the **Premium Aluminum Glass** asphaltic membrane, rising in the verticals 10cm above the reinforcement of **Premium Glass 3 mm** asphaltic membrane.

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

CONSUMPTION

Asphaltic membrane: 1.15 m² of area, considering overlaps and losses from cutouts of edges.

Primer: 0.40 l/m²

FINISH OF MEMBRANE

Upper face exposed to the weather: coated with flexible aluminized sheeting.

Lower face, to be adhered to the structure: coated with polyethylene film removable with a blowtorch flame

PACKAGING / STACKING

Spools containing membrane 1m in width and 10m in length.

Pallets with 30 spools of 3mm membrane - 300 m².

Pallets with 25 spools of 4mm membrane - 250 m².

Pallets must be stacked as recommended to avoid collapse of the stack and damage to the product.

Stack the product vertically on pallets, avoiding contact of the 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, well ventilated location, far from sources of heat.

SAFETY RECOMMENDATIONS

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

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

In closed/indoor areas it is imperative to use forced ventilation and a 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 positioned away from the work area for greater safety.

ENVIRONMENTAL PRECAUTIONS

Dispose of waste 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 the hot product with the skin, cool the area immediately with cold water until the product cools and hardens, then cover the burned 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 condition 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. Therefore, we do not 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 information contained in this datasheet without prior notice.