

PREMIUM GLASS

Asphaltic waterproofing membrane

DESCRIPTION

Asphaltic membrane produced by the physical modification of asphalts with polymers, structured with special rot-free, non-hygroscopic fiberglass.

TECHNICAL CHARACTERISTICS OF THE PRODUCT

Characteristics	Unit	Type II
Thickness	mm	2, 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	Classe C = 0
Resistance to impact	J-Joule	2.45
Drooping from heat (minimum)	°C	95
Dimensional stability (minimum)	%	1
Flexibility after aging	°C	Classe C = 10
Watertightness (minimum)	w.c.m	10
Tear resistance (minimum)	N	100

REFERENCE NORMS

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

UTILIZATION

Premium Glass 2mm – For application as a double layer together with **Torodin** or **Premium Polyester** membrane

Premium Glass 3mm or 4mm – For cold areas such as bathrooms, lavabos, kitchens, service areas, under roofing, flooring for manifolds, steam barriers and thermal insulation systems.

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 agents, and stains of any type of material that may hinder adhesion of the product.

On the moist horizontal surface execute the regularization with a minimum trim of 0.5% in the direction of the water run-off points. The regularization mortar should be prepared with cement and medium sand mortar, 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 smooth 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 laying 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 vertical masonry areas execute roughcast of cement and medium sand, ratio 1:3, followed by the application of smoothing 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 doorjambes and casings, respecting the trim to external areas, except in the case of internal areas with wood flooring or 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.

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

Application of the product

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

Application with blowtorch flame:

Align the **Premium Glass** asphaltic membrane according to the realignment of the area, initiating the adhesion from the drainpipes in the direction of the higher levels.

With the aid of a LPG gas blowtorch flame, proceed with the total adhesion of the **Premium Glass** membrane. The seams between the strips of membrane should have an overlap of 10cm, which should be beveled to achieve a perfect seal.

Apply the membranes in the horizontal position, raising them 10cm in the vertical direction.

Align and adhere the membrane in the vertical, then descend and apply a 10cm overlap on the membrane laid in the horizontal position.

In the vertical the membrane should be adhered 30cm higher than the finished flooring. In shower box areas the vertical reach of the adhered membrane should be 1.50m above floor level.

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

Separation Layer

This layer prevents the dilatation and contraction forces of the mechanical protection mortar from acting directly on the waterproofing.

Use plastic sheeting with a thickness of 24 micra as a separation layer.

In parking garages use geotextile with minimum weight of 400grs/m² as a buffer layer, and over this apply the separation layer (plastic sheeting of 24 micra thickness).

MECHANICAL PROTECTION MORTAR

Horizontal

Execute the mechanical protection mortar of cement and sand, ratio 1:4, regularized to a minimum thickness of 3 cm. Execute the flooring as planned in the project.

Vertical

Over the waterproofing execute roughcast of cement and medium sand, ratio 1:3, followed by execution of regularized cement and medium sand mortar, ratio 1:4, using kneading water composed of 1 volume of **Viafix** adhesive emulsion and 2 volumes of water. The mortar should be reinforced with plastic netting and should extend 10cm above the asphaltic membrane.

CONSUMPTION

Asphaltic Membrane: 1.15 m² of area, considering overlaps and cutouts of edges.

Primer: 0.40 l/m²

FINISH OF MEMBRANE

PP – Polyethylene on both faces for adhesion with blowtorch.

Other types of finish by consultation.

PACKAGING / STACKING

Spool 1m wide with 10m length of membrane, for 3mm and 4mm thicknesses.

Spool 1m wide with 20m length of membrane, for 2 mm thickness.

Pallet with 25 spools of 2mm membrane - 500 m².

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

Pallet with 25 spools of 4mm membrane - 200 m².

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

The product must be stacked vertically on pallets, avoiding contact of the product with the floor.

Do not stack pallets against walls or partitions.

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

VALIDITY / STORAGE

5 years from date of manufacture.

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

SAFETY RECOMMENDATIONS

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

Due to high temperature application, use adequate clothing and PPE (respirator, split leather gloves, boots, over-sleeves, leggings, apron and safety eyewear), keeping the ambient 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 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 SISP of the products.

In case of contact 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 and 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..