

PREMIUM GEOTEXTILE

Asphaltic membrane

DESCRIPTION

Asphaltic membrane produced by the physical modification of asphalt with polymers. Structured with a resin-treated, thermoset non-textile of continuous filaments of polyester. The exposed face is finished with a non-textile of polyester that facilitates the adhesion of finishing or protective coatings like reflective paint, mortar or concrete..

TECHNICAL CHARACTERISTICS OF THE PRODUCT

Characteristics	Unit	Type III
Thickness	mm	3 & 4
Resistance to longitudinal & transversal traction (minimum)	N	400
Longitudinal and transversal elongation (minimum)	%	30
Water absorption (maximum)	%	1,5
Flexibility at low temperatures	°C	Class B = -5
Resistance to impact	J-Joule	4.90
Drooping from heat (minimum)	°C	95
Dimensional stability (minimum)	%	1
Flexibility after aging	°C	Class B = 5
Watertightness (minimum)	w.c.m	15
Tear resistance (minimum)	N	120

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

Coating of concrete irrigation canals which are to be faced with mechanical protection mortar or concrete, retaining walls and the external face of diaphragm (curtain) walls.

For waterproofing of exposed non-passable concrete slabs which will receive an acrylic paint finish or mortar coating.

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

USAGE INSTRUCTIONS

Preparation of the surface

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

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 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 receive an even finish with a minimum thickness of 2cm.

In the region of the drainpipes create a recess with a depth of 1cm, 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 (stucco) of cement and medium sand, ratio 1:3, followed by the application of 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.

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.

Application of the product

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

Align the **Premium Geotextile** 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 Geotextile** asphaltic membrane. The membrane seams should have an overlap of 10cm, which is to be beveled to achieve a perfect seal.

Apply the membranes in the horizontal position, extending 10cm upwards in the vertical.

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

After the execution 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 concluding the watertightness test apply, on the dry surface, at least two coats of **Tintacryl, Vialflex White or Vedalage White, Vedalage Plus – Liquid Membrane and Hey´dicryl Plus** acrylic paint as an aesthetic finish

CONSUMPTION

Asphaltic membrane: 1.15 m² of area, considering overlaps and losses from cutouts of edges.
Primer: 0,40 l/m²

FINISH OF MEMBRANE

Polyethylene/Polyester: Polyethylene on the face to be adhered to the substrate, and polyester non-textile on the exposed face.

PACKAGING / STACKING

Spools 1m in width containing 10m of membrane:
Pallets with 25 spools of 3mm membrane - 250 m²;
Pallets with 20 spools of 4mm membrane - 200 m²;

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 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, Tintacryl, Vialflex White, Vedalage Plus – Liquid Membrane and Hey'dicryl Plus.**

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..