



VIAPLUS 5000

Flexible waterproof coating

DESCRIPTION

Flexible waterproofing coating, bi-component based on elastomeric resins and cement additives that, in composition, result in a modified polymer membrane, with cement of excellent characteristics of resistance and impermeability.

TECHNICAL CHARACTERISTICS

GENERAL INFORMATION		
Aspect	Component A Liquid	Component B Dust
Color	White	Gray
Mixture Aspect (A+B)	gray viscous liquid	
Temperature min./max. of application	10°C to 35°C	
Minimum period between coats	4 to 8 hours	
total cure time	5 days	
	Indoors 7 days	
Time of use of the mixture (A+B)	40 minutes	

* **Note .:** The curing of the product is directly related to the climatic conditions of the region and area of application of the material.

ESSAY	RESULTS	STANDARD REQUIREMENTS	STANDARDS
Sticking resistance (min.)	>0.5 MPa	0.5 MPa	ABNT NBR 12171
Tensile strength (min.)	≥60N	50N	ABNT NBR 9952
Flexibility at low temperature (min 0°C)	He meets	do not crack	ABNT NBR 9952
Positive pressure tightness (min.)	>0.60 MPa	0.25 MPa	ABNT NBR 10787
Water absorption (max)	≤ 10%	12%	ASTM D 570

RULES

- ABNT NBR 15885:2010 Acrylic Polymer Membrane with or without cement, for waterproofing;
- ABNT NBR 9575:2010 – Waterproofing – Systems and projects;
- ABNT NBR 9574:2008 – Execution of waterproofing.

BENEFITS

- Easy-to-apply product, with brush or fur broom;
- Excellent flexibility performance ;
- Applied on concrete, masonry and mortar surfaces;

IMPERMEABILIZAÇÃO

CIMENTÍCIOS

- It does not alter the potability of the water, being non-toxic and odorless after curing.
- Resistant to high positive hydrostatic pressure.
- Follows the structural movements and cracks foreseen in the Brazilian Standards.

USE

- Supported or elevated drinking water concrete reservoir. Use as dual system **Viaplus 1000** or **Viaplus Top** and **Viaplus 5000** structured with **Mantex polyester fabric** .

For other uses, consult the Technical Department via the email sac@viapol.com.br .

INSTRUCTIONS

Surface preparation:

The substrate must be clean, free of loose or crumbling parts, cement paste, oils, mold release agents or any type of material that could impair adherence. When using a concrete structure, cleaning with a wire brush and water or a high-pressure water jet is recommended.

Concrete walls in the cast-in-place system must be previously sanded (manually or mechanically) and washed in order to clean and open the pores and increase the surface roughness of the place to be waterproofed.

The nests and flaws in the concrete should be treated with structural repair mortar **EucoRepair VI 60** or **EucoRepair V50**, thus guaranteeing resistance equal to or greater than that of the repaired structure.

The pipes must be leaded with **Viapoxi Adhesive Gel** or **Viagraute** during the concreting phase, as well as be fixed with flanges and counter flanges for a perfect waterproofing finish. There can be no amendments of pipes embedded in concrete.

Full load test:

Run the full load test on the reservoir for at least 72 hours, before surface preparation.

product preparation

The product is supplied in two components:

Component A (resin) - Thermoplastic resin and special additives;

Component B (gray powder) - Special cements, waterproofing additives and plasticizers.

Gradually add component B (gray powder) to component A (resin) and mix mechanically for at least 3 minutes, dissolving any lumps that may form, obtaining a homogeneous paste.

After mixing components A and B, the use time of this mixture should not exceed a period of 40 minutes, at a temperature of 25 °C. After this period, we do not recommend its use.

Although the use time is 40 minutes, it is necessary to mix again every 10 or 15 minutes. This action avoids the deposition of solids at the bottom of the bucket and allows the uniform distribution of the material.

The homogenization of the product, when carried out using a mixer or drill, must be carried out with controlled speed and a maximum of 600 RPM.

Tools

Brush or hair broom.

product application

Saturate the surface well and apply the first coat of **Viaplus 5000** and wait for a minimum of 4 hours to dry.

Constantly mix the product during application. Apply **Viaplus 5000** with a rectangular brush or a bristle broom

Between the 1st and 2nd coat, reinforce the coating by incorporating a **Mantex polyester mesh** .

Apply the subsequent "coats" in a crosswise direction, in uniform layers for the same period or depending on the ambient temperature, until reaching the specified consumption. The interval between coats is from 4 to 8 hours.

Viaplus 5000 to cure for at least 7 days before testing for tightness.

Reservoir Ceiling

Waterproof the roof of the reservoir with the application of **Viapoxi Coat or Vitpoli Eco** – 1.00kg/m², to obtain a vapor barrier and protect the structure against corrosion.

RECOMMENDATIONS

- After the product has completely cured, wash it with soap and water using a fur broom before the first load of water for human or animal consumption.
- Before applying the waterproofing system, perform a water load test for at least 72 hours to accommodate the structure. Check for the appearance of any cracks and fissures that may occur at full load.
- It is recommended to use mechanical protection mortar on the floor of the water tanks, due to the cleaning services that these areas are subject to.
- Do not exceed a period of 3 hours between applications of **Viaplus 1000** or **Viaplus Top** and **Viaplus 5000** in order to prevent delamination between the layers of the products.
- Reservoirs must have a structural corbel at the junction of the floor and walls.

USE RESTRICTIONS

- Do not under any circumstances add water to the **Viaplus 5000 mixture**;
- Avoid applying over existing markings such as paint, thermoplastics and other types of non-compatible waterproofing agents.
- Cracked structures without proper correction;
- On smoothing putty containing lime or water repellent . If necessary, substitute **Viacal** ;
- Slabs cantilevered and exposed to the weather;
- Wet areas;
- Elevated or in-ground swimming pools;
- Areas exposed to the weather;
- Product formulated for potable water reservoirs or water treatment plants (ETA), do not use when the pH is less than 6.0;
- Product not recommended for active groundwater;

CONSUMPTION

VIAPLUS 5000	CONSUMPTION
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Underground, supported and elevated reservoirs.	3.5 kg/m ²
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Note ∴ Consumption may vary depending on the type of substrate

APPROXIMATE YIELD

VIAPLUS 5000	PACKAGING	PERFORMANCE*
Underground, supported and elevated reservoirs.	box 18 kg	5 m ²

PACKING / STACKING

PACKING	STACKING
Box 18 Kg	Maximum 4 units

Note ∴ Yield may vary depending on the type of substrate.

VALIDITY / STORAGE

Nine (09) months from the date of manufacture in original and intact packaging, in a covered, dry, ventilated place, away from heat sources.

Do not store the product in direct contact with the floor that is wet or in contact with the ground.

The maximum temperature for storage is 25°C

SAFETY RECOMMENDATIONS

Before starting work, consult the FISPQ (Safety Data Sheet for Chemical Products), available on our home page www.viapol.com.br

Use suitable PPE such as gloves and face protection mask, waterproof boots and safety glasses.

Keep the product out of reach of children and pets.

In case of contact with the skin, wash the area with water and neutral soap.

In case of contact with eyes, rinse with plenty of drinking water for at least 15 minutes and seek medical advice.

In case of irritation of the skin, eyes or ingestion of the product, seek medical advice, informing about the type of product.

In case of ingestion, do not induce vomiting and seek medical assistance immediately.

ENVIRONMENTAL CARE

Do not dispose of the product or packaging in the environment. Properly dispose of waste in accordance with current legislation on the local environment and applicable regulations in accordance with the characteristics of the product or material. Do not reuse empty packages.

For further details, consult the safety data sheet (FISPQ) of the **Viaplus 5000** or of the mentioned products and the [www.viapol.com.br website](http://www.viapol.com.br).

*“ **Note** : The information contained in this sheet is based on our knowledge for your help and guidance. We point out that the performance of our products depends on the surface preparation, application and storage conditions, which are not under our care. The practical performance depends on the application technique, equipment conditions and the surface to be coated. We do not assume, therefore, any responsibility regarding the yield and performance of any nature as a result of the improper use of the product. This product requires specialized labor for application. For more information, consult our technical department.”*

Viapol reserves the right to change specifications or information contained in this brochure without prior notice.