

VIAPLUS 7000

Flexible Waterproofing Coating with Synthetic Fibers

DESCRIPTION

Waterproofing, flexible, two-component coating based on elastomeric resins and cement with additives and the incorporation of synthetic fibers (polypropylene). This composition results in a cement-modified polymer membrane with excellent resistance, flexibility and impermeability characteristics.

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.)	≥ 120 N	50N	ABNT NBR 9952
Flexibility at low temperature (min 0°C)	Meets -16°C	do not crack	ABNT NBR 9952
Positive pressure tightness (min.)	>0.60 MPa	0.25 MPa	ABNT NBR 10787
Water absorption (max)	≤ 9%	12%	ASTM D 570
pull off test " adherence on Drywall	> 0.15 MPa Drywall cohesive failure	-	-

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, mortar and plasterboard surfaces ;
- It does not alter the potability of the water, being non-toxic and odorless;
- Resistant to high positive hydrostatic pressures;
- Allows the direct laying of coatings without the need for mechanical protection in the case of bathrooms, kitchens and laundries without quota;
- Because it contains synthetic fibers in its composition, it is necessary to use polyester mesh only in areas that require reinforcement;
- Follows the structural movements and cracks foreseen in the Brazilian Standards.

USE

Indicated for waterproofing areas with constant presence of water or permanently humid areas, such as:

- Dual system with **Viaplus 1000 or Viaplus Top** and **Viaplus 7000** for supported or elevated concrete potable water tanks;
- Dual system with **Viaplus 1000 or Viaplus Top** and **Viaplus 7000** for Underground concrete pools / Underground water mirrors;
- Drywall interior walls (plasterboard) ;
- Elevated wet and wet areas such as bathrooms, kitchens, laundries, service areas, kegs , toilets, etc .;
- Supported balconies, terraces and covered gourmet verandas.

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.

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.

On horizontal surfaces that will need water drainage, make the regularization with a minimum slope of 0.5% in internal areas towards the water drainage points.

The smoothing mortar must be prepared with cement and medium sand mortar, 1:3 mix, using mixing water composed of 1 volume of **Viafix adhesive emulsion** and 2 volumes of water for better adhesion to the substrate.

This mortar must have a straight finish, with a minimum thickness of 2 cm. All corners and edges must be rounded to better accommodate the product.

In the vertical masonry areas, start roughcasting with cement and medium sand, 1:3 mix, followed by the application of a smooth mortar, made of cement and medium sand, mix 1:4, using mixing water composed of 1 volume of adhesive emulsion **Viafix** and 2 volumes of water.

Wait for the smoothing mortar to cure for at least 7 days before starting waterproofing.

Full load test:

In reservoirs and swimming pools, perform a full load test for at least 72 hours, before surface preparation.

product preparation

The product is supplied in two components:

Component A (resin) - Thermoplastic resins and special additives.

Component B (gray powder) - Special cements containing waterproofing additives and plasticizers and incorporation of synthetic fibers (polypropylene).

Gradually add component B (gray powder) to component A (resin) and mix mechanically for 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 necessary coats for each case, according to the consumption table.

Constantly mix the product during application. Apply **Viaplus 7000** with a rectangular brush or a bristle broom.

Apply the first coat of **Viaplus 7000** and wait for a minimum of 4 hours to dry.

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.

Spread sifted and dry sand before the last coat of **Viaplus 7000 dries**, for better anchoring of the mechanical protection mortar or final coating.

Wait for the product to cure for at least 5 days before carrying out the tightness test and performing the mechanical protection. For reservoirs and closed environments, wait at least 7 days.

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

- In reservoirs after the product has completely cured, wash with soap and water using a fur broom before the first load of water for human or animal consumption.
- In swimming pools and concrete reservoirs, before applying the waterproofing system, perform a water load test for at least 72 hours to accommodate the structure. Check for 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.
- On baseboards, concrete joints and half rounds, it is recommended to reinforce **Viaplus 7000 with Mantex Resinado** polyester fabric between the 1st and 2nd coat.
- When laying the final coating over **Viaplus 7000 waterproofing** , use AC III adhesive mortar.

MECHANICAL PROTECTION (IF NECESSARY)

Horizontal

Make mechanical protection mortar of cement and sand mix 1:3, troweled with a minimum thickness of 2 cm.

Vertical

On the waterproofing, apply roughcast cement and sand, 1:2 mix, followed by the execution of a smooth cement and medium sand mortar, 1:3 mix, using mixing water composed of 1 volume of Viafix adhesive emulsion and 2 **volumes** of water.

USE RESTRICTIONS

- Cracked structures without proper correction;
- On smoothing putty containing lime or water repellent . If necessary, substitute **Viacal** ;
- Avoid applying over existing markings such as paint, thermoplastics and other types of non-compatible waterproofing agents.
- Slabs cantilevered and exposed to the weather;
- Product formulated for drinking water reservoir or water treatment plant (WTP), do not use when the pH is below 6.0;
- Product not recommended for active groundwater;
- We do not recommend applying coatings larger than 10 X 10 cm directly over the waterproofing of swimming pools.
- We do not recommend the application of a direct coating on the waterproofing of swimming pools that have dry joints.
- We do not recommend the application of a direct coating on the waterproofing that includes joints smaller than 3mm.
- We do not recommend the application of unconventional coatings directly on the waterproofing.

CONSUMPTION

VIAPLUS 7000	CONSUMPTION
Cold Areas (kitchen, toilet, bathroom, service area, keg)	3.0 kg/m ²
Small balconies and terraces	3.0 kg/m ²

buried water mirror	3.0 kg/m ²
Underground, supported and elevated reservoirs.	4.5 kg/m ²
Concrete in-ground pools	4.5 kg/m ²

Note ∴ Consumption may vary depending on the type of substrate

APPROXIMATE YIELD

VIAPLUS 7000	PACKAGING	PERFORMANCE*
Cold Areas (kitchen, toilet, bathroom, service area, keg)	box 18 kg	6 m ²
Small balconies and terraces	box 18 kg	6 m ²
buried water mirror	box 18 kg	6 m ²
Underground, supported and elevated reservoirs.	box 18 kg	4 m ²
Concrete in-ground pools	box 18 kg	4 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 attention 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 7000** 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.