

VIAPLUS® RÁPIDO (RAPID)

Fast-drying waterproof coating

DESCRIPTION

Fast-drying, semi-flexible, single component waterproof coating composed of special cements, mineral additives and polymers with excellent waterproofing properties.

TECHNICAL CHARACTERISTICS OF THE PRODUCTS

CHARACTERISTICS	COMPONENT B	
Aspect	Powder	
Color	Grey	
Aspect after mixing with water	Grey viscous liquid	
TESTS	RESULTS	
Min./Max. application temperature	10°C - 35°C	
Minimum interval between coats (if necessary)	Up to 30 min.	
Drying time	2 hours	
Maximum usage life after mixing with water	15 minutes	
Watertightness at positive pressure	> 0.25 MPa	
TESTS	RESULTS	NORMS
Resistance to adhesion on concrete - minimum	> 0.3 MPa	ABNT NBR 13528
Resistance to adhesion on masonry – minimum	> 0.3 MPa	ABNT NBR 13528

REFERENCE NORMS

- ABNT NBR 11.905:2015 – Waterproofing system composed of waterproofing cement and polymers.
- ABNT NBR 9575:2010 – Waterproofing – Systems and projects;
- ABNT NBR 9574:2008 – Execution of waterproofing.

ADVANTAGES

- Application can be completed in 2 hours
- Allows application of the coating directly on the product after 2 hours of cure
- Excellent adhesion and mechanical resistance
- Easy application with a broad brush or paint brush
- Can be applied on concrete, masonry or mortar surfaces
- Convenience, needs only addition of water
- Productivity of application process

UTILIZATION

Cold areas, raised or in contact with floor, such as:

- Wet and wet areas such as bathrooms, kitchens, laundry rooms, service areas and restrooms.
- Underground drinking water reservoirs;
- Double system **Viaplus Rápido** and **Viaplus 7000** or **Viaplus 5000** structured with polyester mesh for elevated drinking water reservoir;

- Drywall internal walls (plasterboard);
- Concrete retaining walls, baldramas, foundations, foundations, internal and external walls;
- Cold floors in contact with the ground;
- Waterproofing basements, curtains, elevator shaft

For other uses consult the Technical Department by e-mail: sac@viapol.com.br

USAGE INSTRUCTIONS

Preparation of the surface

The substrate must be clean, with no loose or broken parts, cement cream, oils, release agents or any type of material that may impair adhesion. When in a concrete structure, washing with a steel brush and water or 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 provide cleaning and opening of the pores and increase the surface roughness of the place to be waterproofed.

Nests and concrete flaws must be treated with **EucoRepair VI 60** or **EucoRepair V50** structural repair mortar, thus ensuring strengths equal to or greater than that of the repaired structure.

The pipes must be anchored with **Viapoxi Adhesive Gel** or **Viagraute** in the concreting phase, as well as being fixed with flanges and against flanges for a perfect finishing of the waterproofing. There can be no splices of pipes embedded in concrete.

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

The smoothing mortar must be prepared with cement mortar and medium sand, 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 flattened finish, with a minimum thickness of 2 cm. All corners and edges must be rounded to better accommodate the product.

In the vertical areas in masonry, start the roughening of cement and medium sand, 1:3 mix, followed by the application of a straightened mortar, of cement and medium sand, 1:4 mix, using kneading water composed of 1 volume of adhesive emulsion **Viafix** and 2 volumes of water.

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

Preparation of the product

The product must be prepared in a clean, watertight recipient.

Potable water is to be added using the dosing device provided with the product in the packaging.

12.5kg packaging:

The 12.5kg pack of the product contains 5 bags of 2.5kg each and one 250ml water dosing device.

Each 2.5kg bag of **Viaplus Rapido** is to be mixed with 500ml of water, which corresponds to two doses of the 250ml dosing device.

Add **Viaplus Rapido** a little at a time to the water already dosed into the recipient, stirring mechanically for 3 minutes, dissolving any lumps that may form to obtain a homogeneous paste.

After mixing the product with water the mixture will have a maximum usage life of 15 minutes, at a temperature of 25 °C. We do not recommend use of the mixture after this time span has expired.

3.75kg packaging:

The 3.75kg pack of the product contains 3 bags of 1.25kg each and one 250ml water dosing device.

Each 1.25kg bag of **Viaplus Rapido** is to be mixed with 250ml of water, which corresponds to one dose of the 250ml dosing device.

Add **Viaplus Rapido** a little at a time to the water already dosed into the recipient, stirring mechanically for 3 minutes, dissolving any lumps that may form to obtain a homogeneous paste.

After mixing the product with water the mixture will have a maximum usage life of 15 minutes at a temperature of 25 °C. We do not recommend use of the mixture after this time span has expired.

Tools

Broad brush, paint brush or painting roller.

Application of the product

The substrate must be saturated with a dry surface (not wat in excess). Leave the surface well moist

We recommend the application of a single coat due to it being a fast libration product.

If a second coat is deemed necessary, do not exceed the interval of 15 minutes between coats.

In critical regions such as around drainpipes, caulk with **Monopol Construção** mastic after the **Viaplus Rapido** has dried completely.

Allow the product to dry for a minimum of 2 hours before conducting the watertightness test and executing the mechanical protection mortar or final coating.

To anchor the coating use good quality AC III adhesive mortar in accordance with ABNT NBR 13.753 norms.

Application of the product in Reservoirs

The substrate must be saturated with the surface dry (not soggy).

Horizontal: Recommended to apply the specified consumption in a single layer.

Vertical: Apply the coats crosswise with a consumption of 1kg/m² per layer and with an interval of 15 minutes between coats, until reaching the specified consumption.

Wait for the product to dry for at least 2 hours before the watertightness test and execution of the final coating when **Viaplus Rapido** is applied alone.

Reservoir Ceiling

Waterproof the tank ceiling by applying **Viapoxi Coat** or **Vitpoli Eco** – 1 kg/m², to obtain a vapor barrier and protect the structure against corrosion.

SEATING FLOORING

The laying of the final coating on **Viaplus Rápido** must be used AC III adhesive mortar, in accordance with ABNT NBR 13753.

RECOMMENDATIONS FOR USE

- Spread sifted and dry sand before drying the last coat of **Viaplus Rápido** for better adhesion of the final coating;
- In reservoirs after the product has completely cured, wash with soap and water using a hair broom before the first load of water for human or animal consumption.
- In concrete reservoirs, before applying the waterproofing system, perform a water load test for at least 72 hours to accommodate the structure. Check the appearance of any cracks and fissures that may occur at full load.
- On the baseboards, concreting joints and half cane, it is recommended to reinforce **Viaplus Rápido** with **Mantex Resinado** polyester fabric between the 1st and 2nd coats.
- If there is a need for another coat, apply them crosswise and with intervals of 15 minutes between coats;
- Due to fast curing, do not mix large amounts of material;
- After mixing, do not exceed a period of 30 minutes at a temperature of 25°C. After this period, the application is not recommended.

USAGE RESTRICTIONS

Do not use the product for:

- Cracked structures without proper correction;
- Regularization mass to be calculated. If necessary, substitutes for **Viacal**;
- Areas exposed to the weather;
- Do not use the product as a vapor barrier;
- Product not recommended in places with active water table;
- Product formulated for drinking water reservoir or E.T.A water treatment plant, not used when the pH is lower than 6.0.

CONSUMPTION

VIAPLUS RAPID (RAPID)	CONSUMPTION – Kg/m ²
Wet areas	1,6 kg/m ²
Raised concrete tanks (with Viaplus 5000 or Viaplus 7000* dual system)	2,4 kg/m ²
Buried concrete reservoirs	3,2 kg/m ² à 4 kg/m ²
VIAPLUS RAPIDO (AFTER MIXING WITH WATER)	CONSUMPTION – Kg/m ²
Wet areas	2 kg/m ²
Raised concrete tanks (with Viaplus 5000 or Viaplus 7000* dual system)	3 kg/m ²
Buried concrete reservoirs	4 kg/m ² à 5 kg/m ²

Note: Consumption may vary according to type of substrate.

*See Viaplus 5000 and 7000 performance in the respective technical sheets

APPROXIMATE YIELD

VIAPLUS RAPIDO	PACKAGING	YIELD*
Wet areas	Pail 3,75 Kg	2,5 m ²
Raised concrete tanks (with Viaplus 5000 or Viaplus 7000* dual system)	Pail 2,5 Kg	7,5 m ²
Buried concrete reservoirs	Pail 3,75 Kg	1,60 m ²
Wet areas	Pail 2,5 Kg	5,20 m ²
Raised concrete tanks (with Viaplus 5000 or Viaplus 7000* dual system)	Pail 3,75 Kg	1,20m ² à 0,90m ²
	Pail 2,5 Kg	3,90m ² à 3,10m ²

Note: Yield may vary according to type of substrate.

PACKAGING / STACKING

PACKAGING	STACKING
12,5kg pail	Maximum 4 units
3,75kg pail	Maximum 4 units

Obs:. Stack packaging on Madeirit to prevent direct contact with floor or soil.

VALIDITY / STORAGE

12 (twelve) months from date of manufacture, in original intact packaging, in a covered, dry, well ventilated location, far from sources of heat. Maximum storage temperature: 25°C.

SAFETY RECOMMENDATIONS

Prior to starting work consult the SISP (Safety Information Sheet for Chemical Products) of the products, available on our site: www.viapol.com.br

Use adequate PPE such as gloves, facial protection mask, waterproof boots and safety eyewear.

Keep the product out of the reach of children and domestic animals.

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

In case of contact with the eyes, wash copiously with potable water for at least 15 minutes and seek medical assistance.

In the eventuality of irritation of the skin, the eyes or ingestion of the product, seek medical assistance, citing the type of product involved.

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

ENVIRONMENTAL PRECAUTIONS

Do not discard products or packaging carelessly. Dispose of materials/residues in an appropriate location in accordance with regulations based on local environmental legislation in force. Do not reuse empty packaging.

For further details please consult the safety sheet (SISCP) for **Resinated Mantex and Monopol** **Construção** or for the products cited and our site at www.viapol.com.br

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 products in practice 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 products. 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.