

# **IMPERVEG® FL 133 A**

## **Description**

The IMPERVEG® FL 133 A is a sealant resin based on a vegetable polyurethane-(originated from castor oil), two component, 100% solid (solvent free), which forms on the surface which was applied in a monolithic membrane with exceptional physical and chemical stability, elasticity, impermeability and adhesion on porous materials like concrete and mortar.

## **Properties**

IMPERVEG® FL 133 A as the waterproofing system meets all the recommendations prescribed in NBR 9575/2003 - "Waterproofing - Design and Selection", considered as a system framed "in loco" and adhering to the substrate.

Because it is a solid material (solvent free) can be applied in confined environments, because it does not release toxic fumes. Answer the ordinance MS 518 which sets the standard for drinking water for human consumption and can be used without restrictions in the waterproofing of drinking water reservoirs.

IMPERVEG® FL 133 A has excellent resistance to the action of weathering and water containing corrosive substances such as salts, acids and alkalis.

Surfaces treated with this product have a membrane with the following characteristics:

- High durability;
- Reasonable elasticity;
- High resistance to ultraviolet rays;
- Tightness to liquids and gases;
- Excellent penetration into the pores of the surface, ensuring a good grip;
- It has no volume shrinkage after cure.

## **Application fields**

- Waterproofing of elevated tanks for drinking water;
- Sealing of ceramic tiles for later;
- Coating walls;
- Waterproofing of wet areas of buildings.

## **Features**

- Consistency: fluid
- Color after cure: amber
- Heat resistance: shows mass loss only after 210° C
- Release of toxic elements: free
- Dry to touch: 40 to 180 minutes depending on the ambient temperature
- Tensile strength 1.4 Mpa
- Modulus of Deformation: 1.8 Mpa
- Elongation at fracture: + / - 30%

## **Product Application**

IMPERVEG® FL 133 A is supplied in two parts (A + B) to be mixed at a ratio of 1:3 (one part of component A + three parts of component B by volume respectively). After mixing the working time (pot life) is around 20 minutes, when the resin enters in the gel point, hindering their application, thus generating losses. Initially it is recommended the mixture of small amounts, e.g. 0.5 liter of component A + 1.5 liters of component B. The coats should be applied when the membrane is dry to the touch; this time varies around two hours, depending on ambient temperature. The maximum time between coats is 06 hours, a period that occurs the final polymerization (total reaction). If a coat is applied after this time will compromise the adhesion of one layer over another. The surface must be dry, clean and free of contaminants at the application time. Do not apply product on damp surfaces or on rainy days. Both, new or old surfaces must be hydroblasted, regularized or print with cementitious using in the kneading water polymer adhesive based on latex ADEPOL®.

In the case of slabs, cracks and crevices should be opened, transformed into joints, filling it with waterproof polyester structured before starting the application. Sharp corners and edges should be rounded and / or chamfered. It is recommended to structure the interfaces floor X wall with polyester screen, overlapping 20 cm in the wall and 20 cm on the floor. In excessively cracked slabs susceptible to a greater movement is recommended to structure the entire area with polyester screen.

Before starts the application always consults the manufacturer.

## **Efficiency**

The efficiency varies from 0.7 to 1.2 (with polyester screen) kg / m², three to five coats depending on the request imposed.

## **Packaging and storage of IMPERVEG® FL 133 A**

The product should be stored in their original packaging to avoid large fluctuations in temperature and keep containers closed, those circumstances, the product can be kept for 06 (six) months, with no changes in their properties.

Packing - plastic galloons of 05, 10 and 20 kilograms.

## **IMPORTANT**

The information provided in this literature will only to guide applicants. We assume, however, any responsibility for the misuse of the product or this information.